Yahoo Group Archive: orion565 (2014 — 2017)

Yahoo Group summary: Ten-Tec Orion 565/566

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2017. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2014-01-01 through 2017-05-09

Source WARC: orion565.6AUSuci.warc.gz

Source item: https://archive.org/details/yahoo-groups-2017-05-09T20-45-39Z-5e318c

Messages included in this PDF: 2156

Message records with no body available in the source archive: 1

Messages omitted as spam from this PDF: 48

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

9883. Re: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-01 00:46:08 UTC
From: K7FD
Topic: 645 Message: 9883

My O2 was purchased new March 2012 and required a $641 logic board replacement/repair just last month. Add $90 shipping, and you get the picture. It had very little air time on it; I have 4 other rigs here. The O2 just quit working one day and Ten Tec service said for 'reasons external to the Orion II'. I'm not sure what that means other than they felt not responsible for the failure.

Not knowing specifically why the logic board failed scared me a bit, especially since it was always babied, surge protected, never saw a mismatch, and had extremely low hours on it. It never saw adversity in my shack. So what could I do differently here in the shack to avoid another failure? I couldn't think of anything other than not bringing the O2 back.

That said, Ten Tec and I worked out a very resonable trade (sans the repair bill) and I'm going to try my luck with a new Eagle. Is it an O2? No but maybe I'll have some peace of mind...and still have an awesome little radio to play with...

Stan, Robert, and Paul at Ten Tec were excellent to work with...although, if Ten Tec had knocked a bit off the repair bill or split the cost of the logic board, I may have chosen to keep the O2. Paul didn't feel any discount was in order so I decided to trade it in on the Eagle.

May your O2 may work flawlessly for years to come! I certainly enjoyed the radio before it failed; I just couldn't stomach a $600+ repair on a somewhat vague repair diagnosis.

73 John K7FD

> On Dec 31, 2013, at 3:29 PM, "n9aop2000" <avidmar@...> wrote:
>
> Hi Guys,
> I am trying to decide whether to keep or sell this radio. I really do like it and it has never given me any trouble. Are the chances good that this rig will continue to perform? Having TenTec willing to repair their products is definitely an asset but if the repair is in the six to eight hundred dollar range than that is an appreciable amount compared to the purchase price of the radio.
>
> Do you think that TenTec really had a parts problem and that is why the O2 was discontinued or do you think that they just chose not to compete in this price class at this time.
>
> Art
>
>

9884. Re: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-01 10:56:37 UTC
From: jack
Topic: 645 Message: 9884

Art,

I too have a "new" Orion II. Had I the benefit of a "Crystal Ball," I would have chosen a different rig when I decided to upgrade. But then, I also bought a Tokyo amplifier and look what happened there. Now, my attitude on both pieces of equipment is that I'm going to enjoy them as long as I can and whatever happens, it's a cost I'll gladly bear for the enjoyment they give me. At least I have the pleasure of using the best of the best while I have them. Something many others only wish for! The decision is yours but I say, relax and enjoy!
73 HNY de Jack-W9OWO

-------Original Message-------
From: n9aop2000 <avidmar@...>
To: orion565@yahoogroups.com
Subject: [orion565] Orion II
Sent: Dec 31 '13 6:29pm

Hi Guys,
I am trying to decide whether to keep or sell this radio. I really do like it and it has never given me any trouble. Are the chances good that this rig will continue to perform? Having TenTec willing to repair their products is definitely an asset but if the repair is in the six to eight hundred dollar range than that is an appreciable amount compared to the purchase price of the radio.

Do you think that TenTec really had a parts problem and that is why the O2 was discontinued or do you think that they just chose not to compete in this price class at this time.

Art

9885. Re: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-01 18:21:12 UTC
From: <tonysokol@...>
Topic: 645 Message: 9885

You know what would be nice is if Ten Tec would design a retrofit board for Orion using up-to-date components. The same idea as the Eagle sub receiver board retrofit. It would not be a bad idea to use that concept in all future products. Just kind of thinking out loud here. Updating would be a breeze and it could provide a whole new source of revenue for Ten Tec.?

Happy 2014 All!

Tony - W9JXN

-- Sent from my HP TouchPad
On 01/01/2014 4:56 AM, jack wrote:
?

Art,

I too have a "new" Orion II. ?Had I the benefit of a "Crystal Ball," I would have chosen a different rig when I decided to upgrade. But then, I also bought a Tokyo amplifier and look what happened there. ?Now, my attitude on both pieces of equipment is that I'm going to enjoy them as long as I can and whatever happens, it's a cost I'll gladly bear for the enjoyment they give me. ?At least I have the pleasure of using the best of the best while I have them. ?Something many others only wish for! ?The decision is yours but I say, relax and enjoy!

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From: n9aop2000
To: orion565@yahoogroups.com
Subject: [orion565] Orion II
Sent: Dec 31 '13 6:29pm

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Do you think that TenTec really had a parts problem and that is why the O2 was discontinued or do you think that they just chose not to compete in this price class at this time.

Art

9886. RE: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-01 18:39:33 UTC
From: Torrey Mitchell
Topic: 645 Message: 9886

Great idea!

Are you listening TenTec? If not, maybe someone out there has the skills to design and produce such a board for all of us devotees.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of tonysokol@...
Sent: Wednesday, January 1, 2014 12:21
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II

You know what would be nice is if Ten Tec would design a retrofit board for Orion using up-to-date components. The same idea as the Eagle sub receiver board retrofit. It would not be a bad idea to use that concept in all future products. Just kind of thinking out loud here. Updating would be a breeze and it could provide a whole new source of revenue for Ten Tec.

Happy 2014 All!

Tony - W9JXN

-- Sent from my HP TouchPad

On 01/01/2014 4:56 AM, jack <jack@... <mailto:jack@...> > wrote:

Art,

I too have a "new" Orion II. Had I the benefit of a "Crystal Ball," I would have chosen a different rig when I decided to upgrade. But then, I also bought a Tokyo amplifier and look what happened there. Now, my attitude on both pieces of equipment is that I'm going to enjoy them as long as I can and whatever happens, it's a cost I'll gladly bear for the enjoyment they give me. At least I have the pleasure of using the best of the best while I have them. Something many others only wish for! The decision is yours but I say, relax and enjoy!

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-------Original Message-------
From: n9aop2000 <avidmar@... <mailto:avidmar@...> >
To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
Subject: [orion565] Orion II
Sent: Dec 31 '13 6:29pm

Hi Guys,
I am trying to decide whether to keep or sell this radio. I really do like it and it has never given me any trouble. Are the chances good that this rig will continue to perform? Having TenTec willing to repair their products is definitely an asset but if the repair is in the six to eight hundred dollar range than that is an appreciable amount compared to the purchase price of the radio.

Do you think that TenTec really had a parts problem and that is why the O2 was discontinued or do you think that they just chose not to compete in this price class at this time.

Art

9887. RE: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-01 20:00:45 UTC
From: john brown
Topic: 645 Message: 9887

Hi everyone, I also have a newer Orion II and agree with the crystal ball statement. At the present time, all is well and I
Really enjoy my Orion II. However still being under warranty, I am considering sending it back to have everything checked out. After reading all the posts I really like the thought of an upgrade type board set up. My main question right now is whether to keep the rig, or to send it back have it all checked out and then sell it. Once again the crystal ball. If no problems I would to keep it, but at a almost 40 to 50 % loss to trade it or sell it makes me wonder. It sure would have affected my purchase ,if I knew it was going to be discontinued just weeks after I purchased it. TNX John.

To: orion565@yahoogroups.com
From: jack@...
Date: Wed, 1 Jan 2014 05:56:37 -0500
Subject: Re: [orion565] Orion II

Art,

I too have a "new" Orion II. Had I the benefit of a "Crystal Ball," I would have chosen a different rig when I decided to upgrade. But then, I also bought a Tokyo amplifier and look what happened there. Now, my attitude on both pieces of equipment is that I'm going to enjoy them as long as I can and whatever happens, it's a cost I'll gladly bear for the enjoyment they give me. At least I have the pleasure of using the best of the best while I have them. Something many others only wish for! The decision is yours but I say, relax and enjoy!
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-------Original Message-------
From: n9aop2000 <avidmar@...>
To: orion565@...m
Subject: [orion565] Orion II
Sent: Dec 31 '13 6:29pm

Hi Guys,
I am trying to decide whether to keep or sell this radio. I really do like it and it has never given me any trouble. Are the chances good that this rig will continue to perform? Having TenTec willing to repair their products is definitely an asset but if the repair is in the six to eight hundred dollar range than that is an appreciable amount compared to the purchase price of the radio.

Do you think that TenTec really had a parts problem and that is why the O2 was discontinued or do you think that they just chose not to compete in this price class at this time.

Art

9888. RE: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-01 21:06:58 UTC
From: John T. Fleming
Topic: 645 Message: 9888

John,

I would keep the Orion II. Ten-Tec is unable to purchase some components in production quantities, but they can still repair and replace parts. I have had my Orion I for ten years and really like it. I handle a lot of traffic and as you may know, there are always operators that try to disrupt anything. With the filters, etc. I can usually eliminate the effect. I also take the approach of "ignore them, don't even let them know you hear them." In a short time, they disappear. If you are a contester, I don't think you will find a better rig.

Happy New Year and 73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of john brown
Sent: Wednesday, January 01, 2014 3:01 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Orion II

Hi everyone, I also have a newer Orion II and agree with the crystal ball statement. At the present time, all is well and I
Really enjoy my Orion II. However still being under warranty, I am considering sending it back to have everything checked out. After reading all the posts I really like the thought of an upgrade type board set up. My main question right now is whether to keep the rig, or to send it back have it all checked out and then sell it. Once again the crystal ball. If no problems I would to keep it, but at a almost 40 to 50 % loss to trade it or sell it makes me wonder. It sure would have affected my purchase ,if I knew it was going to be discontinued just weeks after I purchased it. TNX John.

9889. Re: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-01 22:40:47 UTC
From: Jerry Rogers
Topic: 645 Message: 9889

My Orion Ii is several years old. As I look back at several radio that I purchased my TS-950SD was replaced a year after I got with the TS-950SDX, making me feel shorted. But the 950SD kept on working until I changed radios.

And what about the Yaesu FT-950? I know hams that purchased one only to find it discontinued a short time later. Do they dump this radio in hopes of finding a radio that will stay in production.

I don't believe any of us have a Crystal Ball on the production of a radio. However, I do believe T*T should have let the buyers of the last Orion II in stock know it's status.

Jerry
ki4ps

On Jan 1, 2014, at 3:00 PM, john brown <n2ydf@Hotmail.com> wrote:

>
> Hi everyone, I also have a newer Orion II and agree with the crystal ball statement. At the present time, all is well and I
> Really enjoy my Orion II. However still being under warranty, I am considering sending it back to have everything checked out. After reading all the posts I really like the thought of an upgrade type board set up. My main question right now is whether to keep the rig, or to send it back have it all checked out and then sell it. Once again the crystal ball. If no problems I would to keep it, but at a almost 40 to 50 % loss to trade it or sell it makes me wonder. It sure would have affected my purchase ,if I knew it was going to be discontinued just weeks after I purchased it. TNX John.
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> To: orion565@yahoogroups.com
> From: jack@...
> Date: Wed, 1 Jan 2014 05:56:37 -0500
> Subject: Re: [orion565] Orion II
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> Art,
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> 73 HNY de Jack-W9OWO
> -------Original Message-------
> From: n9aop2000 <avidmar@...>
> To: orion565@yahoogroups.com

> Subject: [orion565] Orion II
> Sent: Dec 31 '13 6:29pm
>
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> Hi Guys,
> I am trying to decide whether to keep or sell this radio. I really do like it and it has never given me any trouble. Are the chances good that this rig will continue to perform? Having TenTec willing to repair their products is definitely an asset but if the repair is in the six to eight hundred dollar range than that is an appreciable amount compared to the purchase price of the radio.
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>
> Art
>
>
>
>
>

9890. Re: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-01 22:47:59 UTC
From: catfishtwo@...
Topic: 645 Message: 9890

I've had my O 1 for 10 years or so. I got a great deal on it used for about 3500 bucks and if it died tomorrow I would be happy. But I expect it to go for at least another 10. Tom N6AJR

In a message dated 1/1/2014 2:40:54 P.M. Pacific Standard Time, ki4ps@... writes:

My Orion Ii is several years old. As I look back at several radio that I purchased my TS- 950SD was replaced a year after I got with the TS-950SDX, making me feel shorted. But the 950SD kept on working until I changed radios.

And what about the Yaesu FT-950? I know hams that purchased one only to find it discontinued a short time later. Do they dump this radio in hopes of finding a radio that will stay in production.

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Jerry
ki4ps

On Jan 1, 2014, at 3:00 PM, john brown <_n2ydf@..._ (mailto:n2ydf@...) > wrote:

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To: _orion565@yahoogroups.com_ (mailto:orion565@yahoogroups.com)
From: _jack@..._ (mailto:jack@...)
Date: Wed, 1 Jan 2014 05:56:37 -0500
Subject: Re: [orion565] Orion II

Art,

I too have a "new" Orion II. Had I the benefit of a "Crystal Ball," I would have chosen a different rig when I decided to upgrade. But then, I also

bought a Tokyo amplifier and look what happened there. Now, my attitude on both pieces of equipment is that I'm going to enjoy them as long as I can and whatever happens, it's a cost I'll gladly bear for the enjoyment they give me. At least I have the pleasure of using the best of the best while I have them. Something many others only wish for! The decision is yours but I say, relax and enjo y!
73 HNY de Jack-W9OWO
-------Original Message-------
From: n9aop2000 <_avidmar@..._ (mailto:avidmar@...) >
To: _orion565@yahoogroups.com_ (mailto:orion565@yahoogroups.com)
Subject: [orion565] Orion II
Sent: Dec 31 '13 6:29pm

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Do you think that TenTec really had a parts problem and that is why the O2 was discontinued or do you think that they just chose not to compete in this price class at this time.

Art

9891. Transverter Issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-02 01:33:28 UTC
From: <k1fpv@...>
Topic: 9891 Message: 9891

Hi Everyone,

I have an Orion II I've had for a number of years. I occasionally had minor problems with it but was able to fix the problems myself. I just recently hooked up mine with my Elecraft XV50 & XV222 transverters. I'm using separate RX & TX inputs to the transverters. My issue is this. I've found when I decrease or vary drive using the power/multi control, the power changes are very irregular. It seems to act as if there is some instabilities in the system.

I disconnected the transverters and hooked up a QRP power meter which measures down to a few milliwatts. The instability appears to be in the transceiver as even with a 50ohm load, the instability still exists. Has anyone else run into this issue?

9892. RE: Transverter Issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-02 16:26:45 UTC
From: <cq_k7ng@...>
Topic: 9891 Message: 9892

My "MULTI" control has become pretty noisy, i.e. not smooth changes up and down for any function where the multi control has been selected; is it possible all you're seeing is the multi control (which is not a digital encoder but an analog pot) is getting noisy? Do you see, for instance that the transceiver RF GAIN numbers don't change smoothly when the multi control is turned? I have been told that pot gets noisy faster than the other controls in that it gets turned more. The fix is to change it, or if you're not comfortable about desoldering leaded components out of a multi-layer board, have Ten-Tec do it for you.

Dave K7NG

9893. RE: Transverter Issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-02 21:16:27 UTC
From: <k1fpv@...>
Topic: 9891 Message: 9893

Hi Dave,

Oddly enough, when I change power, or using the MULTI knob to change MIC level etc., everything moves smoothly. The RF level coming out of the XVTR plug in back is the only thing that seems to be erratic.

I'm not afraid to change the pot if needed. I've worked on much more complex equipment in broadcasting as an engineer and I've already fixed my Orion II a couple other times when issues popped up.

Thanks for the thought at any rate Dave.

Happy New Year,
Bill / K1FPV

9894. Re: Transverter Issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-03 10:23:36 UTC
From: pa1ap
Topic: 9891 Message: 9894

Hi Bill,

Happy new year!

There could be multiple reasons for the issue you found. Perhaps my thoughts below are useful.

Firmware / cpu priorities:

First would be the firmware and associated priority groups for knob control. For example the vfo knobs have high priority to ensure you always get responsive vfo. But other knobs might have lower priority and are less frequently scanned by the firmware. Turning those knobs to quickly results in "missed" updates.

In case you have serial control actively polling the Orion the procesor has to balans priorities as well. I know this impacts the knob scanning.

Do you have remote control enabled / active? If so, does the issue change when you pause / stop polling?

Encoder hardware:

The "pots" on the Orion are all mechanical encoders. Mechanical encoders can become worse over time depending on climate / environment factors. Their internal contacts are supposed to generate digital up / down codes and if there is poor conductivity the digital codes might generate false codes.

The wrong thing to do here is to pull / yank / push on the buttons. In case contacts are "dirty" the only way is to turn them a lot to see if that cleans the contacts. I am not sure you can clean them with some chemical stuff. Easiest would be to replace them by new encoders but only after you can confirm it isn't cause by other factors.

Transvertor output:

I have no idea on the stability of the output. I can hookup a scope and verify during the weekend what my Orion generates. Not even sure if the pwr output control should influence the transvertor output.

What exactly do you experience with the transvertor output? Does the output fluctuate during a steady carrier such as CW? Does it fluxtuate when you change the pwr setting?

Best regards, Onno

--- In orion565@yahoogroups.com, <k1fpv@...> wrote:
>
> Hi Dave,
>
>

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> Thanks for the thought at any rate Dave.
>
>
>
> Happy New Year,
> Bill / K1FPV
>

9895. Re: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-03 14:52:17 UTC
From: w4my@...
Topic: 645 Message: 9895

I'd keep it:

Even though my relationship with TT has been a little rocky, I have no intention of replacing my 566AT (OrionII) or 599 (Eagle) anytime. I say this despight the fact I bought mine new in Feb 2012 and my warantee has expired. I've had a few problems, but nothing major so far. Its the best radio I've ever owned, bar none. (Eagle too!)

I'm just not going to worry about it, use it as I see fit, and if a problem comes along, well, just deal with it. There's nothing out there I want to replace it with (yet!) As my dad once told me, "don't worry that the mule will go blind, just load the wagon!"

Marty / W4MY

9896. Windows 8, 8.1, 8.2beta

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-03 16:24:44 UTC
From: <jhenry@...>
Topic: 9896 Message: 9896

Hello All,
I'm looking to get feedback from anyone that is using a TEN-TEC released software package on Windows 8, 8.1, or 8.2beta.
What is your success/failure?

So far, I've seen the Eagle/Argonaut VI Driver Installers fail on some Windows 8x and work on some Windows 8x.
Please send me your experience to my email and I can prioritize which programs work and which programs don't work.

Granted, in about a week or two I'll be able to try to dedicate time to get them all tested on whatever the latest version of Windows 8 is. (hopefully 8.2 will be released which brings back the XP/Win7 style desktop and startmenu.)

I'll broadcast this same message to several reflectors, so, please email me your response if you can, or reply here, don't matter, I'll be watching all reflectors for this for a while.

jhenry at tentec dot com
Thanks in advance, and 73
John Henry, KI4JPL
TEN-TEC Engineering
uh, yep, have vested interest in TEN-TEC products.

9897. Orion knob removal?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-03 19:49:20 UTC
From: Barry N1EU
Topic: 9897 Message: 9897

I'd appreciate pointers on removing the 6 small front panel knobs (Multi-RIT). Do they just pull off or is there some trick to getting them off?

Thanks & 73,
Barry N1EU

9898. Re: Orion knob removal?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-03 19:54:33 UTC
From: Barry N1EU
Topic: 9897 Message: 9898

Found the answer at http://www.tentecwiki.org/doku.php?id=565knob

On Fri, Jan 3, 2014 at 2:49 PM, Barry N1EU <barry.n1eu@...> wrote:
> I'd appreciate pointers on removing the 6 small front panel knobs
> (Multi-RIT). Do they just pull off or is there some trick to getting
> them off?
>
> Thanks & 73,
> Barry N1EU

9899. RE: Orion 2

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-03 20:21:41 UTC
From: n9aop2000
Topic: 9448 Message: 9899

Guys,
Thanks for the replies. I have not had a problem with this radio since I bought it new. From your replies it looks like there are no more problems with this radio than with any other radio in this price point.

If I were going to replace it in the immediate future it would be with an Elecraft K3.
Art

9900. Re: [orion565] RE: Orion 2

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-03 23:01:02 UTC
From: Kent Mandrell
Topic: 9448 Message: 9900

Radios come and go. If they didn't there would be no sunset or sunrise.
Own a K3 and an O2. Looking forward to T/T's Orion replacement.

Kent W9NX

On 1/3/2014 3:21 PM, n9aop2000 wrote:
> Guys,
> Thanks for the replies. I have not had a problem with this radio since I bought it new. From your replies it looks like there are no more problems with this radio than with any other radio in this price point.
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> Art
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> ------------------------------------
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> Yahoo Groups Links
>
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9901. RE: Transverter Issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-05 20:39:59 UTC
From: <k1fpv@...>
Topic: 9891 Message: 9901

I forgot to mention Onno, I used my QRP wattmeter to measure the output. O get about 280 mW of CW signal out of the transverter output, and varied the output but noticed that moving the control just one point (ex: from 24 to 23) I watch the output drop over 10 dB by moving the control just one point from 24 to 23.

Happy New Year to you too.

Bill/K1FPV

9902. Re: Transverter Issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-05 21:28:40 UTC
From: <k1fpv@...>
Topic: 9891 Message: 9902

Hi Onno,

Well, I am using the older version of 2.044A as it seemed to work OK for me. Perhaps I should try the newer versions. I did notice a slight variation in the output of audio when going through the accessory connector in back for PSK31 and using JT-65HF. Maybe it might be firmware.

I took the radio apart and tried to get some DeoxIT into the pot without success. I may order a new pot from Ten-Tec tomorrow. I'll most likely also order the memory battery as it is original and I'm not sure how much life it has into it. I figure while I have the rig apart, I'll change it!

Thanks for the input. I'll keep everyone posted as to how I make out.

73,
Bill
K1FPV

---In orion565@yahoogroups.com, <pa1ap@...> wrote:

Hi Bill,

Happy new year!

There could be multiple reasons for the issue you found. Perhaps my thoughts below are useful.

Firmware / cpu priorities:

First would be the firmware and associated priority groups for knob control. For example the vfo knobs have high priority to ensure you always get responsive vfo. But other knobs might have lower priority and are less frequently scanned by the firmware. Turning those knobs to quickly results in "missed" updates.

In case you have serial control actively polling the Orion the procesor has to balans priorities as well. I know this impacts the knob scanning.

Do you have remote control enabled / active? If so, does the issue change when you pause / stop polling?

Encoder hardware:

The "pots" on the Orion are all mechanical encoders. Mechanical encoders can become worse over time depending on climate / environment factors. Their internal contacts are supposed to generate digital up / down codes and if there is poor conductivity the digital codes might generate false codes.

The wrong thing to do here is to pull / yank / push on the buttons. In case contacts are "dirty" the only way is to turn them a lot to see if that cleans the contacts. I am not

sure you can clean them with some chemical stuff. Easiest would be to replace them by new encoders but only after you can confirm it isn't cause by other factors.

Transvertor output:

I have no idea on the stability of the output. I can hookup a scope and verify during the weekend what my Orion generates. Not even sure if the pwr output control should influence the transvertor output.

What exactly do you experience with the transvertor output? Does the output fluctuate during a steady carrier such as CW? Does it fluxtuate when you change the pwr setting?

Best regards, Onno

--- In orion565@yahoogroups.com mailto:orion565@yahoogroups.com, <k1fpv@...> wrote:
>
> Hi Dave,
>
>
> Oddly enough, when I change power, or using the MULTI knob to change MIC level etc., everything moves smoothly. The RF level coming out of the XVTR plug in back is the only thing that seems to be erratic.
>
>
> I'm not afraid to change the pot if needed. I've worked on much more complex equipment in broadcasting as an engineer and I've already fixed my Orion II a couple other times when issues popped up.
>
>
> Thanks for the thought at any rate Dave.
>
>
>
> Happy New Year,
> Bill / K1FPV
>

9903. Orion II to TT Centaur Amp

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-12 00:22:32 UTC
From: <lucas.erich@...>
Topic: 9903 Message: 9903

Hello Folks,

I have a quick question. I just acquired a TT Centaur Amp to go with my Orion II. I am in need of help hooking it up. I don't want to hook it up wrong and fry something. I am a little unclear as to how to hook up the RCA plugs between the two. This is my first ever AMP.
Any Help would be greatly appreciated.

Erich Lucas
NA3E
lucas.erich@gmail.com mailto:lucas.erich@gmail.com

9904. Re: [orion565] Orion II to TT Centaur Amp

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-12 00:42:43 UTC
From: Ronnie Hull
Topic: 9903 Message: 9904

Centaur or centurion?

Sent from Ronnie's IPhone

> On Jan 11, 2014, at 6:22 PM, <lucas.erich@...> wrote:
>
> Hello Folks,
>
>
>
> I have a quick question. I just acquired a TT Centaur Amp to go with my Orion II. I am in need of help hooking it up. I don't want to hook it up wrong and fry something. I am a little unclear as to how to hook up the RCA plugs between the two. This is my first ever AMP.
>
> Any Help would be greatly appreciated.
>
>
>
> Erich Lucas
>
> NA3E
>
> lucas.erich@...
>
>
>
>

9905. Re: [orion565] Orion II to TT Centaur Amp

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-12 00:50:28 UTC
From: Erich Lucas
Topic: 9903 Message: 9905

Ronnie,

It is a Centaur not a Centurion.

And I do want to hook it up QSK. As I am a CW guy.

Erich

Sent from Samsung tablet

-------- Original message --------
From Ronnie Hull <w5sum@comcast.net>
Date: 01/11/2014 19:42 (GMT-05:00)
To orion565@yahoogroups.com
Subject Re: [orion565] Orion II to TT Centaur Amp

Centaur or centurion?

Sent from Ronnie's IPhone

On Jan 11, 2014, at 6:22 PM, <lucas.erich@gmail.com> wrote:

Hello Folks,

I have a quick question. I just acquired a TT Centaur Amp to go with my Orion II. I am in need of help hooking it up. I don't want to hook it up wrong and fry something. I am a little unclear as to how to hook up the RCA plugs between the two. This is my first ever AMP.

Any Help would be greatly appreciated.

Erich Lucas

NA3E

lucas.erich@gmail.com

9906. Re: TenTec Orion II to Centaur

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-18 19:16:06 UTC
From: n9aop2000
Topic: 9906 Message: 9906

Erich,
I have the O2 and Centurion. The wiring is exactly the same. In your instruction manual it shows how to hook up a TT transceiver to the Centaur. Wire it just as it shows and then go to your O2 TX menu and turn on Keying Loop 1. On the front of the Centaur there is a switch that shows QSK and PTT. Flip it to QSK and you should be good to go.
Art

9907. Re: [orion565] Re: TenTec Orion II to Centaur

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-18 19:20:21 UTC
From: Erich Lucas
Topic: 9906 Message: 9907

Art,

Thanks for the info. The rig and amp have been hooked up and are operating nicely.

Erich
NA3E
On Jan 18, 2014 2:16 PM, "n9aop2000" <avidmar@sbcglobal.net> wrote:

>
>
> Erich,
> I have the O2 and Centurion. The wiring is exactly the same. In your
> instruction manual it shows how to hook up a TT transceiver to the Centaur.
> Wire it just as it shows and then go to your O2 TX menu and turn on Keying
> Loop 1. On the front of the Centaur there is a switch that shows QSK and
> PTT. Flip it to QSK and you should be good to go.
> Art
>
>
>

9908. Problem With Tentec Mic Adapter Regal 707 to Elecraft K3

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-19 03:39:53 UTC
From: Torrey Mitchell
Topic: 9908 Message: 9908

Gentlemen,

I want to use a Tentec Regal 707 mic with my Elecraft K3. I bought the adapter that Tentec specifies to use with the Elecraft K3 (product #721). Ie. it is a 8-pin Tentec to Elecraft 8-pin (same as Kenwood). As soon as I slip it into the front mic jack with the Regal mike attached, the K3 is keyed. On the other hand, the adapter alone without the mic plugged into it does not key the K3. I have another such adapter from another source. It does the same thing. This suggests my K3 mic jack is not wired properly. However, the front jack works normally with an MH-2 Elecraft hand mic. Otherwise I use the rear RCA jack for other mics with the K3.

Can someone with a good visual image of the mic jack help me what's wrong. Is it the adapter? I doubt it since another one from a different source behaves the same way. The Tentec Regal 707 mic performs flawlessly plugged into the Tentec Orion II. So it would seem that the Tentec mic cable is wired correctly.

Please explain what I am missing.

Many thanks!

73 Torrey N9PY

9909. Re: [orion565] Problem With Tentec Mic Adapter Regal 707 to Elecraft K3

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-19 13:29:03 UTC
From: <tonysokol@...>
Topic: 9908 Message: 9909

Torrey,
?? ? Is there a switch on the bottom of the mic that locks or unlocks the PTT for VOX operation?

Tony

-- Sent from my HP TouchPad
On 18/01/2014 9:40 PM, Torrey Mitchell wrote:
?

Gentlemen,
?
I want to use a Tentec Regal 707 mic with my Elecraft K3.? I bought the adapter that Tentec specifies to use with the Elecraft K3 (product #721).? Ie. it is a 8-pin Tentec to Elecraft 8-pin (same as Kenwood).? As soon as I slip it into the front mic jack with the Regal mike attached, the K3 is keyed. On the other hand, the adapter alone without the mic plugged into it does not key the K3.? I have another such adapter from another source.? It does the same thing.? This suggests my K3 mic jack is not wired properly.? However, the front jack works normally with an MH-2 Elecraft hand mic.? Otherwise I use the rear RCA jack for other mics with the K3.
?
Can someone with a good visual image of the mic jack help me what’s wrong.? Is it the adapter?? I doubt it since another one from a different source behaves the same way.? The Tentec Regal 707 mic performs flawlessly plugged into the Tentec Orion II.? So it would seem that the Tentec mic cable is wired correctly.
?
Please explain what I am missing.
?
Many thanks!
?
73 Torrey N9PY
?

9910. RE: [orion565] Problem With Tentec Mic Adapter Regal 707 to Elecraft K3

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-19 17:27:31 UTC
From: Torrey Mitchell
Topic: 9908 Message: 9910

Wouldn’t it great if there was such a switch to explain my problem! There is none. Has a four pin mic connector at the base. Rather than a push button, it has a nice switch on the front for “PTT” which works nicely on the Orion II. Thanks for the thought!

If I remove the standard Tentec mic cord from the microphone and connect it to the K3 with the adapter, the K3 is NOT keyed. If I then plug the cord into the microphone, the K3 IS keyed. Sliding the PTT switch does not change that.

The K3 kit is a pure assembly kit. The front panel mic jack comes soldered to the PCB…no opportunity for mis-wiring it. Since the MH-2 hand mic works great with the front mic connector, I have all but ruled out the problem being with the K3.

I’ll check the pin connections within the adapter. Tentec sells a complete Kenwood cord for the Regal 707 mic. Think I will order it. If it works, I will return the adapter to them. If it doesn’t….I’ll be ready for the funny farm. I’m presuming that the "Extra accessory cable for Kenwood, SKU 707K Cable Only” is suitable for the Tentec.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of tonysokol@...
Sent: Sunday, January 19, 2014 07:29
To: orion565@yahoogroups.com
Subject: Re: [orion565] Problem With Tentec Mic Adapter Regal 707 to Elecraft K3

Torrey,
Is there a switch on the bottom of the mic that locks or unlocks the PTT for VOX operation?

Tony

-- Sent from my HP TouchPad

On 18/01/2014 9:40 PM, Torrey Mitchell <torreym@... <mailto:torreym@...> > wrote:

Gentlemen,

I want to use a Tentec Regal 707 mic with my Elecraft K3. I bought the adapter that Tentec specifies to use with the Elecraft K3 (product #721). Ie. it is a 8-pin Tentec to Elecraft 8-pin (same as Kenwood). As soon as I slip it into the front mic jack with the Regal mike attached, the K3 is keyed. On the other hand, the adapter alone without the mic plugged into it does not key the K3. I have another such adapter from another source. It does the same thing. This suggests my K3 mic jack is not wired properly. However, the front jack works normally with an MH-2 Elecraft hand mic. Otherwise I use the rear RCA jack for other mics with the K3.

Can someone with a good visual image of the mic jack help me what’s wrong. Is it the adapter? I doubt it since another one from a different source behaves the same way. The Tentec Regal 707 mic performs flawlessly plugged into the Tentec Orion II. So it would seem that the Tentec mic cable is wired correctly.

Please explain what I am missing.

Many thanks!

73 Torrey N9PY

9911. Re: [orion565] Problem With Tentec Mic Adapter Regal 707 to Elecraft K3

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-19 19:14:53 UTC
From: jack
Topic: 9908 Message: 9911

Perhaps the [Mic ground wire] and cable [shield wire] are soldered together at some point. This would cause the PTT to activate immediately upon connection. The [Mic ground wire] should be separate from the [chassis ground] (shield) until [closed to ground] by the PTT switch.

Good luck,
Jack-W9OWO

-------Original Message-------
From: Torrey Mitchell <torreym@...>
To: orion565@yahoogroups.com
Subject: [orion565] Problem With Tentec Mic Adapter Regal 707 to Elecraft K3
Sent: Jan 18 '14 10:39pm

Gentlemen,

I want to use a Tentec Regal 707 mic with my Elecraft K3. I bought the adapter that Tentec specifies to use with the Elecraft K3 (product #721). Ie. it is a 8-pin Tentec to Elecraft 8-pin (same as Kenwood). As soon as I slip it into the front mic jack with the Regal mike attached, the K3 is keyed. On the other hand, the adapter alone without the mic plugged into it does not key the K3. I have another such adapter from another source. It does the same thing. This suggests my K3 mic jack is not wired properly. However, the front jack works normally with an MH-2 Elecraft hand mic. Otherwise I use the rear RCA jack for other mics with the K3.

Can someone with a good visual image of the mic jack help me what’s wrong. Is it the adapter? I doubt it since another one from a different source behaves the same way. The Tentec Regal 707 mic performs flawlessly plugged into the Tentec Orion II. So it would seem that the Tentec mic cable is wired correctly.

Please explain what I am missing.

Many thanks!

73 Torrey N9PY

9912. Dentron MT-3000A

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-19 21:22:01 UTC
From: <va3dwi@...>
Topic: 9912 Message: 9912

Hi all,

I have been given a Dentron MT-3000A antenna tuner which seems to be very well made. It has several issues which I can fix no problem. The antenna selector switch ceramic is cracked but still works. Would anyone know where I could purchase one. Unfortunately the parts list does not give a part number and I believe that Dentron is no more in business. Any information will be appreciated.

Thanks, Tony VE3DWI.

9913. Re: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-20 17:40:09 UTC
From: N9ETD@...
Topic: 645 Message: 9913

A person could what if this to death. The bottom line is the Orion II is the best radio I've ever owned.. It's filtering works the best that I've ever witnessed, and I love the radio. Is it perfect ? No, nothing is. I own a Drake C-Line, and always will. I have a couple of KWM2's, a Yaesu FT-1000MP Mk V, a KWM380, and a host of other radios that are out of production. The thing is if you like a radio there's no reason to sell it just because it's out of production, or the parts are harder to find.. Enjoy them for what thay are, and use them for as long as they can be kept alive.

73, Craig N9ETD

9914. Re: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-20 21:28:12 UTC
From: K7FD
Topic: 645 Message: 9914

I agree the O2 is a fine radio; I would have kept mine if I had received some assurance I would not face another $641 repair bill any time soon. Since I don't have the smarts or equipment to troubleshoot the Orion II down to a component level, I was totally reliant upon Ten Tec service to fix the problem. This is no different for the Kenwood rig I own. My only hope is my Kenwood will run a lot longer than the O2 did; a year and a half is not a very long life for a brand new rig. If one has the expertise to keep a rig running for years and years, that's terrific! I keep my 45 year old Drake B Line around because it's fun and I can repair it, the O2 I could not.

And in this day and age, the list of modern things I can repair is getting shorter and shorter!

73 John K7FD

> On Jan 20, 2014, at 9:40 AM, N9ETD@...M wrote:
>
> A person could what if this to death. The bottom line is the Orion II is the best radio I've ever owned.. It's filtering works the best that I've ever witnessed, and I love the radio. Is it perfect ? No, nothing is. I own a Drake C-Line, and always will. I have a couple of KWM2's, a Yaesu FT-1000MP Mk V, a KWM380, and a host of other radios that are out of production. The thing is if you like a radio there's no reason to sell it just because it's out of production, or the parts are harder to find.. Enjoy them for what thay are, and use them for as long as they can be kept alive.
>
>
>
> 73, Craig N9ETD
>

9915. TEN-TEC-777 DX PRO Headset

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-22 19:30:42 UTC
From: Simone Petretti IZ5DKJ
Topic: 9915 Message: 9915

Hi, I am looking for information about the headphones in the TEN-TEC-777 DX PRO Headset, have you tried these headphones?
Have made comparisons with the Heil pro set elite?
I would like to know also how to behave always transmission compared to heil.
Thanks for the help

IZ5DKJ - Simone Petretti
http://www.qrz.com/db/IZ5DKJ

9916. Re: [orion565] Digest Number 2260

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-23 11:43:43 UTC
From: ipad
Topic: 9916 Message: 9916

Im currently using with a orion2, after a little audio tailoring via tx menu, i always get excellent reports about my audio.
Vk3idx

> On 23 Jan 2014, at 20:40, orion565@yahoogroups.com wrote:
>
> Ten-Tec Orion 565/566 Group
> 1 New Message Digest #2260
> 1 TEN-TEC-777 DX PRO Headset by "Simone Petretti IZ5DKJ" iz5dkj
> Message
> 1 TEN-TEC-777 DX PRO Headset
> Wed Jan 22, 2014 11:30 am (PST) . Posted by: "Simone Petretti IZ5DKJ" iz5dkj Hi, I am looking for information about the headphones in the TEN-TEC-777 DX PRO Headset, have you tried these headphones?
> Have made comparisons with the Heil pro set elite?
> I would like to know also how to behave always transmission compared to heil.
> Thanks for the help
>
> IZ5DKJ - Simone Petretti
> http://www.qrz.com/db/IZ5DKJ
> Reply to sender . Reply to group . Reply via Web Post . All Messages (1) . Top ^
> Visit Your Group >
> View All Topics >
> Create New Topic >
> 1 New Members >
> We are making changes based on your feedback, Thank you ! Submit Feedback >
> The Yahoo! Groups Product Blog Check it out! >
> GROUP FOOTER MESSAGE
>
> CHANGE SETTINGS > TERMS OF USE > UNSUBSCRIBE >

9917. Re: TEN-TEC-777 DX PRO Headset

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-23 19:22:21 UTC
From: Bill Engel K5DHY
Topic: 9915 Message: 9917

I agree with the previously posted comment that the 777 is heavy and uncomfortable. I couldn't use it for more than an hour or two at a time. I bought a Heil Proset at Dayton last May and I can use it for hours with no discomfort. I haven't noticed any difference is sound quality.

Bill K5DHY

9918. Newcomer

Yahoo group: orion565 (2014 — 2017)
Date: 2014-01-27 21:50:48 UTC
From: Steven Hammond
Topic: 9918 Message: 9918

Just testing to see if I have access to this group. I'm a newcomer. I currently have predominately Yaesu equipment but I'm looking at buying an Orion II (566AT). I'm hoping to hear from all those who own one about the pros and cons. Thanks.

Steve Hammond

KY5M

9919. Newbie question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-02 22:39:36 UTC
From: Steven Hammond
Topic: 9919 Message: 9919

I'm currently a Yaesu FT-2000 owner but was hoping to purchase an Orion II. I realize they are no longer manufactured, but it is my understanding that Ten-Tec has a good reputation for repairing discontinued models. So I have some basic questions:

1. Are there any serial #'s or lots that have special issues that I should be aware of?
2. Will my Signalink USB work with the Orion II for PSK/RTTY? Is it even needed?
3. Are the microphone pinouts compatible with my Yaesu mic cable (Heil Pro headset)?
4. Is the PS (Power Supply) built-in like my FT-2000 or separate? If separate, do any of you have any recommendations for a good CLEAN PS? I have a switching PS for my mobile unit in the rack, but don't want to introduce a lot of noise.
5. What is a fair price these days? I know that this is a bit subjective but I've seen prices ranging from $1,600-$3,200.

Thanks for any input, recommendations, or advice concerning my first Ten Tec purchase.

Steve Hammond
KY5M

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

9920. Re: [orion565] Newbie question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-02 23:54:21 UTC
From: Billy Cox
Topic: 9919 Message: 9920

Hi Steve,

Compared to the FT2K, you'll enjoy the O2
especially in heavy band conditions.

To your questions, I can answer the
following:

>3. Are the microphone pinouts compatible with my Yaesu mic cable (Heil
>Pro headset)?

Yes.

>4. Is the PS (Power Supply) built-in like my FT-2000 or separate? If
>separate, do any of you have any recommendations for a good CLEAN PS?

External, and I have used RS-35A PSs
here for many years with no problems.

Hope this helps!

73 de Billy, AA4NU

9921. Re: [orion565] Newbie question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-03 00:01:49 UTC
From: Erich Lucas
Topic: 9919 Message: 9921

Ten Tec still services just about everything they have ever sold, if not all. I heard they stopped making the Orion 2 because of hard to get parts. However, they have enough of these parts to service the rigs for many years to come.
Glad I chose the Orion 2 over the FT2000. Never looked back. All of my mic's I used for my FT1000 work with my Orion 2.
I also use a Astron RS35A power supply without any issues.

Erich
NA3E
On Feb 2, 2014 6:54 PM, "Billy Cox" <aa4nu@...> wrote:

>
>
> Hi Steve,
>
> Compared to the FT2K, you'll enjoy the O2
> especially in heavy band conditions.
>
> To your questions, I can answer the
> following:
>
> >3. Are the microphone pinouts compatible with my Yaesu mic cable (Heil
> >Pro headset)?
>
> Yes.
>
> >4. Is the PS (Power Supply) built-in like my FT-2000 or separate? If
> >separate, do any of you have any recommendations for a good CLEAN PS?
>
> External, and I have used RS-35A PSs
> here for many years with no problems.
>
> Hope this helps!
>
> 73 de Billy, AA4NU
>
>

9922. Re: [orion565] Newbie question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-03 01:17:38 UTC
From: <rayhig@...>
Topic: 9919 Message: 9922

I agree with Billy -- My ORION 1 is much better than my FTdx -5000 , let alone
a FT- 2000 on crowded band conditions .
P.S. Make sure U pick up the TT 4 ohm speaker , I use it fer my O1 & 5k .
The results are fantastic !!

73 de " Beantown " Ray KC1MR

9923. RE: Newbie question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-03 01:40:31 UTC
From: <k9ojt@...>
Topic: 9919 Message: 9923

I agree. The TT 4 ohm speaker is great!

I use it on the O2...admittedly I haven't tried anything else...don't need to. I believe it is the 207 speaker...but I may be wrong.

73

Mike K9OJT

9924. Re: [orion565] Newbie question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-03 01:42:41 UTC
From: Steven Hammond
Topic: 9919 Message: 9924

Thanks for all the opinions. I have the SP-2000 external speaker with
HI/LOW cut filters (dual input). Will it work okay with the Orion II?
It is 8 ohms.

Steve Hammond
KY5M

On 2/2/2014 19:17, rayhig@... wrote:
>
> I agree with Billy -- My ORION 1 is much better than my FTdx -5000 ,
> let alone
> a FT- 2000 on crowded band conditions .
> P.S. Make sure U pick up the TT 4 ohm speaker , I use it fer my O1 & 5k .
> The results are fantastic !!
>
> 73 de " Beantown " Ray KC1MR
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

9925. Re: [orion565] Newbie question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-03 12:35:28 UTC
From: Barry N1EU
Topic: 9919 Message: 9925

On Sun, Feb 2, 2014 at 10:39 PM, Steven Hammond <bcf1689@...> wrote:

>
>
> 5. What is a fair price these days? I know that this is a bit
> subjective but I've seen prices ranging from $1,600-$3,200.
>
>
> Steve, the wide range of prices is because you're looking at both the Orion and Orion II. Either model is highly desirable and performance is similar. Without any optional extras, the Orion rig alone usually sells in the $1600-$1800 range. My only caveats would be:

1. LCD screen still has good contrast and brightness
2. all encoders/controls are fully responsive (double check the RIT/XIT and VFOs)
3. don't pay extra for 500/250hz filters because the Inrad 600hz filter in the 1000hz filter slot is the preferred cw filtering method for the Orion (this IMD issue was corrected in the Orion 2). For more info on this see http://users.vnet.net/btippett/inrad_.htm
4. if you're not handy, you might want to make sure the v2 hardware mod has been installed - you can view the mod at http://www.tentecwiki.org/lib/exe/fetch.php?media=orion_v2_logic_mod.pdf

The Orion 2 rig alone normally sells in the $2700-$3000 range and no special caveats in my mind.

73/GL,
Barry N1EU

9926. Re: [orion565] Newbie question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-03 15:45:39 UTC
From: <rayhig@...>
Topic: 9919 Message: 9926

Steve -- I hve a SP-2000 ,SP-20 & SP-23 . I'd give them a 5 when put next to the TT speaker . The receive audio on the O's can be adjusted , +/- 20 db and sounds fantastic, 4 ohms WORKS !

9927. Re: [orion565] Newbie question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-03 16:08:29 UTC
From: <rayhig@...>
Topic: 9919 Message: 9927

Steve If u look @ the speaker specs fer the 2 k & O's they are both 4 ohm . The same is tru fer my 5k . No I don't know why Yaesu doesn't sell a 4 ohm speaker . The TT speaker is sealed , that could be U why it sounds so good

9928. Re: [orion565] Newbie question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-03 16:29:00 UTC
From: Steven Hammond
Topic: 9919 Message: 9928

Okay, that's some good info. I was just curious because I plan on sell the FT-2000 and was considering selling the speaker and just picking up the TT speaker (if it wasn't included in the used Orion I'm looking at). I'm hoping to find a good used O2 fairly soon. I've seen a couple for sale on QTH and I'm waiting to hear back. Thanks for all the input!

Steve Hammond
KY5M
On Feb 3, 2014, at 10:08 AM, <rayhig@...> <rayhig@...> wrote:

> Steve If u look @ the speaker specs fer the 2 k & O's they are both 4 ohm .
> The same is tru fer my 5k . No I don't know why Yaesu doesn't sell a 4 ohm
> speaker . The TT speaker is sealed , that could be U why it sounds so good
>
>

9929. Re: [orion565] Newbie question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-04 18:23:46 UTC
From: <k1fpv@...>
Topic: 9919 Message: 9929

Hi Steve,

Well, FYI, I have both an Orion II as well as an FT-2000. Ironically, in my case I use the speaker with my FT-2000 in the speaker #1 position and the Orion II in the #2 speaker position. Works well and sounds great with both rigs.

Bill
K1FPV

9930. Orion 1 Loaw headset audio

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-05 16:49:03 UTC
From: <hglent@...>
Topic: 9930 Message: 9930

I've been chasing a problem with low level receiver audio on the headphone out put. I vaguely remember having a similar problem several years ago. Some one from Nashville contacted me through this list and instructed me to make several button pushes which restored the audio to previously normal level. The button pushing was not a MASTER RESET. I've done a MR several times.

It seems to me the the fellow in Nashville told me the problem was originated by plugging a mono headphone into the stereo jack on the rig.

I'm getting a little long in the tooth, so my memory has failed me on this one. GRRRR!

I don't want to dig into trouble shooting the circuit if not needed.

Any clues will be greatly appreciated.

TNX es 73 de WA0BAG

Paul K.
WA0BAG

9931. Re: [orion565] Orion 1 Loaw headset audio

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-05 18:47:04 UTC
From: Wayne Staples
Topic: 9930 Message: 9931

On 06/02/14 02:49, hglent@... wrote:
>
>
> I've been chasing a problem with low level receiver audio on the
> headphone out put. I vaguely remember having a similar problem
> several years ago. Some one from Nashville contacted me through this
> list and instructed me to make several button pushes which restored
> the audio to previously normal level. The button pushing was not a
> MASTER RESET. I've done a MR several times.
>
> It seems to me the the fellow in Nashville told me the problem was
> originated by plugging a mono headphone into the stereo jack on the rig.
>
> I'm getting a little long in the tooth, so my memory has failed me on
> this one. GRRRR!
>
> I don't want to dig into trouble shooting the circuit if not needed.
>
> Any clues will be greatly appreciated.
>
> TNX es 73 de WA0BAG
>
> Paul K.
> WA0BAG
>
>

9932. Re: [orion565] Orion 1 Loaw headset audio

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-05 20:09:31 UTC
From: Paul K.
Topic: 9930 Message: 9932

Wayne,
I got this from you via email. No content other than my original email
to the group.

???

Paul K. WA0BAG

On 2/5/2014 1:47 PM, Wayne Staples wrote:
>
> On 06/02/14 02:49, hglent@... wrote:
>> I've been chasing a problem with low level receiver audio on the
>> headphone out put. I vaguely remember having a similar problem
>> several years ago. Some one from Nashville contacted me through this
>> list and instructed me to make several button pushes which restored
>> the audio to previously normal level. The button pushing was not a
>> MASTER RESET. I've done a MR several times.
>>
>> It seems to me the the fellow in Nashville told me the problem was
>> originated by plugging a mono headphone into the stereo jack on the rig.
>>
>> I'm getting a little long in the tooth, so my memory has failed me on
>> this one. GRRRR!
>>
>> I don't want to dig into trouble shooting the circuit if not needed.
>>
>> Any clues will be greatly appreciated.
>>
>> TNX es 73 de WA0BAG
>>
>> Paul K.
>> WA0BAG
>
>

9933. Re: [orion565] Orion 1 Loaw headset audio

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-05 22:26:01 UTC
From: Wayne Staples
Topic: 9930 Message: 9933

On 6/02/2014 6:09 AM, Paul K. wrote:
>
>
> Wayne,
> I got this from you via email. No content other than my original
> email to the group.
>
> ???
>
> Paul K. WA0BAG
>
>
>
> On 2/5/2014 1:47 PM, Wayne Staples wrote:
>>
>> On 06/02/14 02:49, hglent@... wrote:
>>> I've been chasing a problem with low level receiver audio on the
>>> headphone out put. I vaguely remember having a similar problem
>>> several years ago. Some one from Nashville contacted me through
>>> this list and instructed me to make several button pushes which
>>> restored the audio to previously normal level. The button pushing
>>> was not a MASTER RESET. I've done a MR several times.
>>>
>>> It seems to me the the fellow in Nashville told me the problem was
>>> originated by plugging a mono headphone into the stereo jack on the
>>> rig.
>>>
>>> I'm getting a little long in the tooth, so my memory has failed me
>>> on this one. GRRRR!
>>>
>>> I don't want to dig into trouble shooting the circuit if not needed.
>>>
>>> Any clues will be greatly appreciated.
>>>
>>> TNX es 73 de WA0BAG
>>>
>>> Paul K.
>>> WA0BAG
>>
>>
>>
>>
>
Hi Paul

I am sorry Paul I did reply to your thread but something must have gone wrong any it should went like the following . If you have noise reduction turned on check to see if you have it turned on in the sub RX, if you have NR turned on in both RXs it will reduce the audio output if you you are using headphones or taking your audio from the IO socket at the rear of the rig, using SAFwill bring a bit of the audio back, but if you are not using the sub RX make sure the NR is turned off in the sub RX and you will restore all your audio. This situation only occurs only when using headphones or if your taking your audio from the rear IO socket.

Best 73 Wayne VK4EU

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

9934. Re: [orion565] Orion 1 Loaw headset audio

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-05 22:43:31 UTC
From: Paul K.
Topic: 9930 Message: 9934

You got it!!!

Just killed the sub rec NR and all is well again.

Thanks a bunch!

TNX es 73 de WA0BAG
Paul K. WA0BAG

On 2/5/2014 5:26 PM, Wayne Staples wrote:
>
> On 6/02/2014 6:09 AM, Paul K. wrote:
>> Wayne,
>> I got this from you via email. No content other than my original
>> email to the group.
>>
>> ???
>>
>> Paul K. WA0BAG
>>
>>
>>
>> On 2/5/2014 1:47 PM, Wayne Staples wrote:
>>>
>>> On 06/02/14 02:49, hglent@... wrote:
>>>> I've been chasing a problem with low level receiver audio on the
>>>> headphone out put. I vaguely remember having a similar problem
>>>> several years ago. Some one from Nashville contacted me through
>>>> this list and instructed me to make several button pushes which
>>>> restored the audio to previously normal level. The button pushing
>>>> was not a MASTER RESET. I've done a MR several times.
>>>>
>>>> It seems to me the the fellow in Nashville told me the problem was
>>>> originated by plugging a mono headphone into the stereo jack on the
>>>> rig.
>>>>
>>>> I'm getting a little long in the tooth, so my memory has failed me
>>>> on this one. GRRRR!
>>>>
>>>> I don't want to dig into trouble shooting the circuit if not needed.
>>>>
>>>> Any clues will be greatly appreciated.
>>>>
>>>> TNX es 73 de WA0BAG
>>>>
>>>> Paul K.

>>>> WA0BAG
>>>
>>
> Hi Paul
>
> I am sorry Paul I did reply to your thread but something must have
> gone wrong any it should went like the following . If you have noise
> reduction turned on check to see if you have it turned on in the sub
> RX, if you have NR turned on in both RXs it will reduce the audio
> output if you you are using headphones or taking your audio from the
> IO socket at the rear of the rig, using SAFwill bring a bit of the
> audio back, but if you are not using the sub RX make sure the NR is
> turned off in the sub RX and you will restore all your audio. This
> situation only occurs only when using headphones or if your taking
> your audio from the rear IO socket.
>
> Best 73 Wayne VK4EU
>
>
> --
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

9935. Serail #'s

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-10 17:17:22 UTC
From: Steven Hammond
Topic: 9935 Message: 9935

I've found an O2 that sounds good and is cheap, but I'm not for sure who to decode the serial # (07C10203). I've already had one individual try to scam me with a sale (using someone else's call sign) and I'm leary because this ad seems almost identical to the previous one that was taken off QTH. $2400 just seems a bit cheap for an O2. The last scam wanted direct bank transfer only (to a bank nowhere near the call sign QTH). This one will accept PayPay BUT is asking the same set of questions (wants full shipping address).

Here is the ad on QTH.

http://swap.qth.com/view_ad.php?counter=1114413

I traced the IP address to Houston, TX but the QTH of the call sign is deep East Texas (actually a penal institution city), and the email I received back from my query has the same AOL ip addresses using a web based email. So you can see why I'm a bit leery. :-)

Anyway, any help decoding the serial # would be useful. Just to see if it is legit or not.

Steve Hammond
KY5M

9936. Re: [orion565] Serail #'s

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-10 17:30:28 UTC
From: Barry N1EU
Topic: 9935 Message: 9936

Steve, ask him when he purchased the radio. That serial number would
suggest a July 2013 build, which seems too late to be real but who knows.
If it's a scam, he'll probably give you some bogus purchase date that
doesn't match the serial number.

I agree it sounds fishy.

73, Barry N1EU

On Mon, Feb 10, 2014 at 5:17 PM, Steven Hammond <bcf1689@...> wrote:

>
>
> I've found an O2 that sounds good and is cheap, but I'm not for sure who
> to decode the serial # (07C10203). I've already had one individual try
> to scam me with a sale (using someone else's call sign) and I'm leary
> because this ad seems almost identical to the previous one that was taken
> off QTH. $2400 just seems a bit cheap for an O2. The last scam wanted
> direct bank transfer only (to a bank nowhere near the call sign QTH). This
> one will accept PayPay BUT is asking the same set of questions (wants full
> shipping address).
>
> Here is the ad on QTH.
>
> http://swap.qth.com/view_ad.php?counter=1114413
>
> I traced the IP address to Houston, TX but the QTH of the call sign is
> deep East Texas (actually a penal institution city), and the email I
> received back from my query has the same AOL ip addresses using a web based
> email. So you can see why I'm a bit leery. :-)
>
> Anyway, any help decoding the serial # would be useful. Just to see if it
> is legit or not.
>
> Steve Hammond
> KY5M
>
>
>

9937. Re: [orion565] Serail #'s

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-10 17:38:14 UTC
From: Barry N1EU
Topic: 9935 Message: 9937

Steve, it's bogus. Check this out:

http://forums.qrz.com/showthread.php?390292-Ten-Tec-Orion-I-565AT

Barry N1EU

On Mon, Feb 10, 2014 at 5:17 PM, Steven Hammond <bcf1689@...> wrote:

>
>
> I've found an O2 that sounds good and is cheap, but I'm not for sure who
> to decode the serial # (07C10203). I've already had one individual try
> to scam me with a sale (using someone else's call sign) and I'm leary
> because this ad seems almost identical to the previous one that was taken
> off QTH. $2400 just seems a bit cheap for an O2. The last scam wanted
> direct bank transfer only (to a bank nowhere near the call sign QTH). This
> one will accept PayPay BUT is asking the same set of questions (wants full
> shipping address).
>
> Here is the ad on QTH.
>
> http://swap.qth.com/view_ad.php?counter=1114413
>
> I traced the IP address to Houston, TX but the QTH of the call sign is
> deep East Texas (actually a penal institution city), and the email I
> received back from my query has the same AOL ip addresses using a web based
> email. So you can see why I'm a bit leery. :-)
>
> Anyway, any help decoding the serial # would be useful. Just to see if it
> is legit or not.
>
> Steve Hammond
> KY5M
>
>
>

9938. Fwd: QTH.COM Ad -- FOR SALE: TenTec ORION II...

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-10 18:14:18 UTC
From: Steven Hammond
Topic: 9938 Message: 9938
Attachments: 4 described; binary payloads are missing from this source WARC

Here are the pics he sent. Notice no back picture showing serial #. I thought the serial # didn't match up for an O2 (maybe and O1).

Oh well, I'll keep looking. I bound to find a legit seller (hi).

Steve Hammond
KY5M

Begin forwarded message:

> From: Scott Hadley <kf5fs@...>
> Subject: Re: QTH.COM Ad -- FOR SALE: TenTec ORION II...
> Date: February 10, 2014 11:41:15 AM CST
> To: bcf1689@...
>
> View photos below.
> I will accept PayPal payment via Gift feature for immediate shipping.
> E-mail your shipping address ?
>
> Thanks73

9939. Anyone using LP-PAN with Orion/RX366?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-13 10:01:18 UTC
From: Barry N1EU
Topic: 9939 Message: 9939

Is anyone out there successfully using LP-PAN pan adapter with the 9MHz output of the RX366 subreceiver? Are you using a buffer amp on the if output or using the optional add-on LP-PAN preamp (as suggested by John Henry)? Any other comments/tips appreciated.

Thanks & 73,
Barry N1EU

9940. Re: [orion565] Anyone using LP-PAN with Orion/RX366?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-13 11:49:33 UTC
From: Jerry Rogers
Topic: 9939 Message: 9940

John Henry at T*T has a video on this subject.

Jerry
ki4ps

On Feb 13, 2014, at 5:01 AM, Barry N1EU <barry.n1eu@...> wrote:

> Is anyone out there successfully using LP-PAN pan adapter with the
> 9MHz output of the RX366 subreceiver? Are you using a buffer amp on
> the if output or using the optional add-on LP-PAN preamp (as suggested
> by John Henry)? Any other comments/tips appreciated.
>
> Thanks & 73,
> Barry N1EU
>
>

9941. Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-17 03:59:46 UTC
From: <pdulaff@...>
Topic: 9941 Message: 9941

I have a first run Orion, delivered in 2003, with an intermittent boot up condition.

I appear to lose the DSP section of the logic board. Upon booting, the screen with the software version numbers has the running software as 3.032 X 5. The DSP version should be 2.08b88. When I get the boot failure, the DSP version will read erratic numbers. The rig boots up with the display and controls working, but no receiver or transmit power.

I have a new battery installed. I have replaced all 3 of the 470 uF caps on the A9 power distribution board. I removed and cleaned with DeOxit the interconnect headers on the logic board. Voltage to the rig is 13.8 volts. The frustrating part is that I can only get the boot failure when the rig is completely buttoned up. When the rig has its covers removed the problem does not appear. I had the rig run all weekend with the covers on but not screwed down. It has run all weekend with no problem. I have this problem when the rig is cold or warm.

Once I trap the failure, I will check the voltages the regulators and the clock inputs to the SHARC processors.

Any suggestions on what could be causing the problem ?

Also on the schematic I cannot find the backup battery circuit interface.

Any help appreciated.

Paul - WB2NMI

9942. RE: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-17 10:24:03 UTC
From: <pa1ap@...>
Topic: 9941 Message: 9942

Thats weird. Do I understand correctly that all works until you insert the mounting screws? I can only guess but it sounds like a vital cable / component is squeezed or a screw goes into it when closing the lids? Most logical would be to closely inspect the area's around the screws to see if anything can be touched by screws?

Not sure about the boot sequence and random numbers on the DSP version, however while replacing the battery you could have accidentally damaged the chip beneath it. If one of the pins has poor connection you can run in all kind of weird status. If possible remove the battery and closely inspect the chip for any breach. If this chip does not work the orion wont boot.

Best regards, Onno

9943. Tuner installation

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-17 11:15:47 UTC
From: Steven Hammond
Topic: 9941 Message: 9943

I'm looking at several O2 rigs to purchase. One of them doesn't have the built-in tuner. I really would like the tuner (unless someone can convince me that there is no need for it). My question is, how hard is it to install the internal tuner for a beginner?

Steve Hammond
KY5M

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

9944. Re: [orion565] Tuner installation

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-17 11:30:00 UTC
From: John Huffman
Topic: 9941 Message: 9944

Steve -

The built in tuner is wide range - good. But, has no band memories - bad.

For the same money you can get a nice external wide range autotuner from LDG or MFJ and have no worries about installation and be able to use the tuner with any future radios.

73 de K1ESE
John

On 2/17/2014 6:15 AM, Steven Hammond wrote:
>
> I'm looking at several O2 rigs to purchase. One of them doesn't have
> the built-in tuner. I really would like the tuner (unless someone can
> convince me that there is no need for it). My question is, how hard is
> it to install the internal tuner for a beginner?
>
> Steve Hammond
> KY5M
>

9945. Re: [orion565] Tuner installation

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-17 12:32:07 UTC
From: Steven Hammond
Topic: 9941 Message: 9945

Ok, I didn't know about the memory part. I'm sort of use to that with my Yaesu FT-2000. It is only a 3 to 1 tuner, but it remembers bands so that tuning is not done as often. The only external I've ever used was on loan from my elmer a couple of years back. It was an MFJ tuner, but it was manual. It was pain to tune and I had to keep a spreadsheet of the settings for the different bands. I always liked the 10 to 1 tuning of the Ten Tec products (I had a Jupiter on loan from my elmer as well). Thanks for the input.

Steve Hammond
KY5M
On Feb 17, 2014, at 5:30 AM, John Huffman wrote:

> Steve -
>
> The built in tuner is wide range - good. But, has no band memories - bad.
>
> For the same money you can get a nice external wide range autotuner from LDG or MFJ and have no worries about installation and be able to use the tuner with any future radios.
>
> 73 de K1ESE
> John
>
> On 2/17/2014 6:15 AM, Steven Hammond wrote:
>>
>> I'm looking at several O2 rigs to purchase. One of them doesn't have
>> the built-in tuner. I really would like the tuner (unless someone can
>> convince me that there is no need for it). My question is, how hard is
>> it to install the internal tuner for a beginner?
>>
>> Steve Hammond
>> KY5M
>>
>
>
>

9946. RE: [orion565] RE: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-17 15:24:10 UTC
From: Rick Gentz
Topic: 9941 Message: 9946

I would start by changing all the caps on the power distribution board. My Orion is closing in on 10 years old. Recently I had a problem where it wouldn't load/boot at all. The screen lit with the normal "Loading.............." and would suddenly go blank. Master reset did nothing. I contacted Tentec and decided to send it back to them for repair. They rebuilt that board. It works great now and was much cheaper buying a new rig.

May not be your problem but as these radios age, it would be a good idea change out those caps.

To: orion565@yahoogroups.com
From: pa1ap@...
Date: Mon, 17 Feb 2014 02:24:03 -0800
Subject: [orion565] RE: Boot Failure on Orion I

Thats weird. Do I understand correctly that all works until you insert the mounting screws? I can only guess but it sounds like a vital cable / component is squeezed or a screw goes into it when closing the lids? Most logical would be to closely inspect the area's around the screws to see if anything can be touched by screws?

Not sure about the boot sequence and random numbers on the DSP version, however while replacing the battery you could have accidentally damaged the chip beneath it. If one of the pins has poor connection you can run in all kind of weird status. If possible remove the battery and closely inspect the chip for any breach. If this chip does not work the orion wont boot.

Best regards, Onno

9947. Re: [orion565] Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-17 17:59:12 UTC
From: Steven Hammond
Topic: 9941 Message: 9947

I was looking at buy a used O2 and was wondering since it is 8-9 years old, should I have the caps changed, etc? If so, what does that cost approximately?

Steve Hammond
KY5M

On Feb 17, 2014, at 9:24 AM, Rick Gentz wrote:

>
> I would start by changing all the caps on the power distribution board. My Orion is closing in on 10 years old. Recently I had a problem where it wouldn't load/boot at all. The screen lit with the normal "Loading.............." and would suddenly go blank. Master reset did nothing. I contacted Tentec and decided to send it back to them for repair. They rebuilt that board. It works great now and was much cheaper buying a new rig.
>
> May not be your problem but as these radios age, it would be a good idea change out those caps.
>
> To: orion565@yahoogroups.com
> From: pa1ap@nextchallenge.net
> Date: Mon, 17 Feb 2014 02:24:03 -0800
> Subject: [orion565] RE: Boot Failure on Orion I
>
>
> Thats weird. Do I understand correctly that all works until you insert the mounting screws? I can only guess but it sounds like a vital cable / component is squeezed or a screw goes into it when closing the lids? Most logical would be to closely inspect the area's around the screws to see if anything can be touched by screws?
>
> Not sure about the boot sequence and random numbers on the DSP version, however while replacing the battery you could have accidentally damaged the chip beneath it. If one of the pins has poor connection you can run in all kind of weird status. If possible remove the battery and closely inspect the chip for any breach. If this chip does not work the orion wont boot.
>
> Best regards, Onno
>
>

9948. RE: [orion565] Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-17 18:07:59 UTC
From: Torrey Mitchell
Topic: 9941 Message: 9948

The replacement electrolytic caps (3) on the A9 power board cost about 45 cents apiece (plus shipping) from Mouser. Here is the current Mouser number from my invoice:

140-RXJ471M1HBK1325P

50V 470uF 105C
Lelon Aluminum Electrolytic Capacitors - Leaded

These have a much higher temperature rating than the originals. I'm holding on to my caps for now. I have had no issue with my 2007 vintage Orion II unit.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Steven Hammond
Sent: Monday, February 17, 2014 11:59
To: orion565@yahoogroups.com
Subject: Re: [orion565] Boot Failure on Orion I

I was looking at buy a used O2 and was wondering since it is 8-9 years old, should I have the caps changed, etc? If so, what does that cost approximately?

Steve Hammond

KY5M

On Feb 17, 2014, at 9:24 AM, Rick Gentz wrote:

I would start by changing all the caps on the power distribution board. My Orion is closing in on 10 years old. Recently I had a problem where it wouldn't load/boot at all. The screen lit with the normal "Loading....." and would suddenly go blank. Master reset did nothing. I contacted Tentec and decided to send it back to them for repair. They rebuilt that board. It works great now and was much cheaper buying a new rig.

May not be your problem but as these radios age, it would be a good idea change out those caps.

To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
From: pa1ap@... <mailto:pa1ap@...>
Date: Mon, 17 Feb 2014 02:24:03 -0800
Subject: [orion565] RE: Boot Failure on Orion I

Thats weird. Do I understand correctly that all works until you insert the mounting screws? I can only guess but it sounds like a vital cable / component is squeezed or a screw goes into it when closing the lids? Most logical would be to closely inspect the area's around the screws to see if anything can be touched by screws?

Not sure about the boot sequence and random numbers on the DSP version, however while replacing the battery you could have accidentally damaged the chip beneath it. If one of the pins has poor connection you can run in all kind of weird status. If possible remove the battery and closely inspect the chip for any breach. If this chip does not work the orion wont boot.

Best regards, Onno

9949. Re: [orion565] Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-17 18:32:34 UTC
From: Fernando
Topic: 9941 Message: 9949

Hello.

You said it works ok with the covers off,

I would flex each board and see if the symptom

occurs. Use a dowel or pencil and stress components.

Fernando N2FQ/6
n2fq@...

On Feb 16, 2014, at 7:59 PM, pdulaff@... wrote:

>
>
> I have a first run Orion, delivered in 2003, with an intermittent boot up condition.
>
>
>
> I appear to lose the DSP section of the logic board. Upon booting, the screen with the software version numbers has the running software as 3.032 X 5. The DSP version should be 2.08b88. When I get the boot failure, the DSP version will read erratic numbers. The rig boots up with the display and controls working, but no receiver or transmit power.
>
>
>
> I have a new battery installed. I have replaced all 3 of the 470 uF caps on the A9 power distribution board. I removed and cleaned with DeOxit the interconnect headers on the logic board. Voltage to the rig is 13.8 volts. The frustrating part is that I can only get the boot failure when the rig is completely buttoned up. When the rig has its covers removed the problem does not appear. I had the rig run all weekend with the covers on but not screwed down. It has run all weekend with no problem. I have this problem when the rig is cold or warm.
>
>
>
> Once I trap the failure, I will check the voltages the regulators and the clock inputs to the SHARC processors.
>
>
>
> Any suggestions on what could be causing the problem ?
>
>
>
> Also on the schematic I cannot find the backup battery circuit interface.

>
>
>
> Any help appreciated.
>
>
>
> Paul - WB2NMI
>
>
>
>
>
>

9950. orion battery

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-17 22:41:36 UTC
From: <rbellah@...>
Topic: 9950 Message: 9950

Who besides Ten Tec sells the battery for the Orion

9951. RE: [orion565] orion battery

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-17 23:56:51 UTC
From: Rod Greene
Topic: 9950 Message: 9951

I think I got one at Radio S.

73, Rod/w7zrc

Sent from Yahoo Mail for iPad (https://overview.mail.yahoo.com?.src=iOS)

9952. VOX(?) Hanging Up

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-18 00:57:10 UTC
From: <mcelmer1@...>
Topic: 9952 Message: 9952

This may be confusing. The transceiver frequently will not return to receive when using VOX and my Centurion. I am using the TX Out/EN jacks to the Centurion. Pushing the VOX button will return the Orion to receive.

However, everything works fine when using an Ameritron 704 and the Amp 1/Amp 2 on the back of the Orion.
Suggestions?

9953. Re: [orion565] Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-18 03:42:25 UTC
From: Wayne Staples
Topic: 9941 Message: 9953

Hi Paul
First make sure your firmware was a good download the run the firm ware update of 3032 x5 again paying particular attention to the Ram clear and master reset procedure, eg. after the ram clear make you cycle the radio off and on then off again before proeeding to the master reset.

Regards Wayne VK4EU

On 17/02/14 13:59, pdulaff@... wrote:
>
>
> I have a first run Orion, delivered in 2003, with an intermittent boot
> up condition.
>
>
> I appear to lose the DSP section of the logic board. Upon booting, the
> screen with the software version numbers has the running software as
> 3.032 X 5. The DSP version should be 2.08b88. When I get the boot
> failure, the DSP version will read erratic numbers. The rig boots up
> with the display and controls working, but no receiver or transmit power.
>
>
> I have a new battery installed. I have replaced all 3 of the 470 uF
> caps on the A9 power distribution board. I removed and cleaned with
> DeOxit the interconnect headers on the logic board. Voltage to the rig
> is 13.8 volts. The frustrating part is that I can only get the boot
> failure when the rig is completely buttoned up. When the rig has its
> covers removed the problem does not appear. I had the rig run all
> weekend with the covers on but not screwed down. It has run all
> weekend with no problem. I have this problem when the rig is cold or warm.
>
>
> Once I trap the failure, I will check the voltages the regulators and
> the clock inputs to the SHARC processors.
>
>
> Any suggestions on what could be causing the problem ?
>
>
> Also on the schematic I cannot find the backup battery circuit interface.
>
>
> Any help appreciated.
>
>

> Paul - WB2NMI
>
>
>
>
>

9954. Re: [orion565] Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-18 03:45:55 UTC
From: John K7FD
Topic: 9941 Message: 9954

Not sure about boot failure on Orion I. Boot failure on my year and half old O2 was a failed logic board resulting in $641 repair at Ten Tec.

73 John K7FD

> On Feb 17, 2014, at 7:42 PM, Wayne Staples <vk4eu@...> wrote:
>
> Hi Paul
> First make sure your firmware was a good download the run the firm ware update of 3032 x5 again paying particular attention to the Ram clear and master reset procedure, eg. after the ram clear make you cycle the radio off and on then off again before proeeding to the master reset.
>
> Regards Wayne VK4EU
>
>
>
>> On 17/02/14 13:59, pdulaff@embarqmail.com wrote:
>> I have a first run Orion, delivered in 2003, with an intermittent boot up condition.
>>
>>
>> I appear to lose the DSP section of the logic board. Upon booting, the screen with the software version numbers has the running software as 3.032 X 5. The DSP version should be 2.08b88. When I get the boot failure, the DSP version will read erratic numbers. The rig boots up with the display and controls working, but no receiver or transmit power.
>>
>>
>> I have a new battery installed. I have replaced all 3 of the 470 uF caps on the A9 power distribution board. I removed and cleaned with DeOxit the interconnect headers on the logic board. Voltage to the rig is 13.8 volts. The frustrating part is that I can only get the boot failure when the rig is completely buttoned up. When the rig has its covers removed the problem does not appear. I had the rig run all weekend with the covers on but not screwed down. It has run all weekend with no problem. I have this problem when the rig is cold or warm.
>>
>>
>> Once I trap the failure, I will check the voltages the regulators and the clock inputs to the SHARC processors.
>>
>>
>> Any suggestions on what could be causing the problem ?
>>
>>
>> Also on the schematic I cannot find the backup battery circuit interface.
>>

>>
>> Any help appreciated.
>>
>>
>> Paul - WB2NMI
>>
>
>

9955. RE: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-18 23:39:13 UTC
From: <k8jdc1@...>
Topic: 9941 Message: 9955

Paul,

My symptoms were different but this reminds me a little of a problem I had with my Orion a couple years ago. Basically, a few surface mount contacts on the corner of one of the big DSP chips came loose from their board pads. I think my receiver and S-meter died when that happened. If I flexed the front panel boards slightly, I could get it to work intermittently. I have done some surface mount soldering before so I got my half-millimeter tip and tried to carefully resolder those contacts but that did not go well. I ended up shipping my front panel assembly back to Tentec and they were able to fix it. If I remember correctly, they have a machine that can resolder or reflow those chips. Has been fine since.

When you said that your problem was affected by having the covers screwed down, that sounded like it could be something like what I experienced. You could have some surface mount contacts that are breaking contact under flexing conditions. If something got flexed while you were replacing the battery or something, that might have caused those pins to pop free. I didn't do anything crazy to mine when those pins popped loose. Good luck.

Dave
K8JDC

9956. Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-18 23:45:41 UTC
From: Dave Sublette
Topic: 645 Message: 9956

Good evening,

This is my initial posting to this group. I am a Ten Tec O2 owner since 2006. Before that I had an OMNI VI+ and before that an OMNI VI. This posting is to see if 1) I am subscribed properly:

And 2) Before I get into trouble, is it permissible to offer my Orion II for sale on this list?

Thanks,

Dave, K4TO

9957. Re: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-18 23:52:10 UTC
From: Barry N1EU
Topic: 645 Message: 9957

Welcome to the group Dave. As far as your questions:

1. Yes
2. Yes, but only if you tell us what you're replacing it with

73, Barry N1EU

On Tue, Feb 18, 2014 at 11:45 PM, Dave Sublette <k4to@...> wrote:

>
>
> Good evening,
>
> This is my initial posting to this group. I am a Ten Tec O2 owner since
> 2006. Before that I had an OMNI VI+ and before that an OMNI VI. This
> posting is to see if 1) I am subscribed properly:
>
> And 2) Before I get into trouble, is it permissible to offer my Orion II
> for sale on this list?
>
> Thanks,
>
> Dave, K4TO
>
>

9958. Re: [orion565] Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-19 00:05:35 UTC
From: Dave Sublette
Topic: 645 Message: 9958

Thanks Barry,

I'm selling my O2. I bought it new in 2006. It has no antenna tuner.
It does have the 300, 600, and 1800 Hz filters.

I'm not replacing it with anything. In fact I'm selling a bunch of
other stuff on QTH.com. I'm just trying to clean things out a little.
I am literally running out of space...Hi.

73,

Dave, K4TO

On 2/18/2014 6:52 PM, Barry N1EU wrote:
> Welcome to the group Dave. As far as your questions:
>
> 1. Yes
> 2. Yes, but only if you tell us what you're replacing it with
>
> 73, Barry N1EU
>
>
> Yahoo! Groups
> <http://groups.yahoo.com/;_ylc=X3oDMTJlcXM0YWVoBF9TAzk3NDc2NTkwBGdycElkAzExMTUyMDc2BGdyc
HNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTM5Mjc2NzUzMQ-->
>
> Switch to: Text-Only
> <mailto:orion565-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Tradi
tional>,
> Daily Digest
> <mailto:orion565-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest>
> • Unsubscribe
> <mailto:orion565-unsubscribe@yahoogroups.com?subject=Unsubscribe> •
> Terms of Use <http://info.yahoo.com/legal/us/yahoo/utos/terms/> • Send
> us Feedback
> <mailto:ygroupsnotifications@yahoogroups.com?subject=Feedback%20on%20the%20redesigned%20
individual%20mail%20v1>
> .
>
>

9959. RE: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-19 04:48:35 UTC
From: <pdulaff@...>
Topic: 9941 Message: 9959

Dave
I have been following your path to diagnosing the root cause of the failure. I had the Orion fail as stated with the covers on the rig but not screwed down. I now began to loosen and remove the 10 flat head screws that secure the front panel assembly to the chassis. With the top 4 removed, the receiver returned to working, but the sweep function did'nt function. I have now removed all 10 flathead screws with the front panel open but connected. The rig now functions completely. I am gently flexing the logic board, but the rig is unaffected and keeps working.

I am going to leave the rig on 24/7 with the covers removed and front panel electrically connected but open to access . Running the rig for days usually brings on the problem. Taking it apart then fixes it temporarily. Lets see if it fails if left apart. I also ordered some freeze spray. I will spray selected areas of the board and see if there is an affect.

Paul - WB2NMI

9960. RE: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-19 10:30:43 UTC
From: <dalej2@...>
Topic: 9941 Message: 9960

I've been following along too. I don't have an Orion, but always interested in troubleshooting problems. You might also try a hair dryer and blow some warm air (not hot) into the rig with covers off. It could be a heat sensitive component. Sometimes I like to use a can of freeze spray the other way, but very carefully. As others have mentioned, this could be a solder joint problem. I had a intermittent in a TS2000 and after carefully looking at components on the suspect board with magnification I found a cracked solder joint on a SMD resistor. The fix took all of one minute.

Good luck and hope you find it soon.
73
Dale, K9VUJ

9961. RE: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-19 11:52:23 UTC
From: <pa1ap@...>
Topic: 9941 Message: 9961

As suggested before replacing the battery could have led to a poorly connected chip which is beneath the battery. Now you have found the problem already starts when putting the front panel back to its position you are getting closer :-) Perhaps an easy thing to do is to take some isolation tape and place this to the top and bottom of chassis part where the frontpanel goes into... Perhaps there is something touching either side causing a short circuit? Inserting the tape will isolate the front panel pcb from the chassis.

If I recall the pcb's actually just fit into the chassis when inserting the front panel. Not much space available. Maybe some awkward trace touching ground while it is supposed to be floating from ground?

Hope my explanation makes sense...

Best regards, Onno

9962. Re: [orion565] Tuner installation

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-20 09:55:19 UTC
From: Sam W Jacobs CET
Topic: 9941 Message: 9962

Steve, if the O2 wasn't originally ordered with the tuner installed, you cannot install one later. From what I understand from T*T, they use two different chassis configurations, one with the tuner and one without. So if it was ordered without originally, there isn't room to install one now.

So, according to T*T's phone support when I ordered mine, if you are buying a used one now and want the tuner option, look for one that has it installed OR (what I would do is... and already mentioned here) buy an external one. I would stay away from MFJ (Mighty Fine Junk). LDG makes excellent tuners as do Palstar, that is what I own.

My O2 has a built in tuner and I can honestly say I've NEVER used it, not even to test it. For all I know, it's not even there, lol. I'm going to have to find out soon as when I list it for sale I'll have to report this for the new owner.

My radio EATS power distribution boards (A9). I just repaired the 9th board last week when I came out to the shack and found the radio DOA. Another 470uF 35v Cap puffed out and leaky, AGAIN.

73 !

Sam
K3SAM

From: Steven Hammond <bcf1689@...>
To: orion565@yahoogroups.com
Sent: Monday, February 17, 2014 6:15 AM
Subject: [orion565] Tuner installation

I'm looking at several O2 rigs to purchase. One of them doesn't have
the built-in tuner. I really would like the tuner (unless someone can
convince me that there is no need for it). My question is, how hard is
it to install the internal tuner for a beginner?

Steve Hammond
KY5M

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http://www.avast.com

9963. Re: [orion565] Tuner installation

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-20 16:49:27 UTC
From: Tony Lelieveld
Topic: 9941 Message: 9963

I bought my Orion-II, in 2007, without the tuner. At the time, LDG had custom build tuners (model OT-11P ($149)) for the Orion-II as a virtual "drop-in place" one as it required only 1 solder connection. The rest was just a matter of removing one jumper and connecting 2 cables coming from the tuner to the connectors where the jumper was removed.

It works great and has 200 memories so switching to another band did not necessarily needed a re-tune. Shortly after I bought one they stopped selling them. I can only speculate as to why and I don't mean this facetiously. BTW, my O-II has performed flawlessly and I never had any issues with the A-9 board. Nock on Wood fast!!

73, Tony VE3DWI.
****

----- Original Message -----
From: Sam W Jacobs CET
To: orion565@yahoogroups.com
Sent: Thursday, February 20, 2014 4:55 AM
Subject: Re: [orion565] Tuner installation

Steve, if the O2 wasn't originally ordered with the tuner installed, you cannot install one later. From what I understand from T*T, they use two different chassis configurations, one with the tuner and one without. So if it was ordered without originally, there isn't room to install one now.

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73 !

Sam
K3SAM

From: Steven Hammond <bcf1689@...>
To: orion565@yahoogroups.com
Sent: Monday, February 17, 2014 6:15 AM
Subject: [orion565] Tuner installation

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Steve Hammond
KY5M

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9964. RE: [orion565] Tuner installation

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-20 17:06:07 UTC
From: udas
Topic: 9941 Message: 9964

☐

I bought my Orion-II, in 2007, without the tuner. At the time, LDG had custom build tuners (model OT-11P ($149)) for the Orion-II as a virtual "drop-in place" one as it required only 1 solder connection. The rest was just a matter of removing one jumper and connecting 2 cables coming from the tuner to the connectors where the jumper was removed.

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73, Tony VE3DWI.

****

Just the same! LDG tuner and no problem!

73, Igor, UA6LJB

'---

9965. Re: [orion565] Tuner installation

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-20 21:06:03 UTC
From: Stephen Cannon
Topic: 9941 Message: 9965

I had heard years ago that LDG was the manufacturer that made the Auto Tuner boards for Ten Tec for the Orion II - not sure how true that is. The LDG Auto Tuner Kits were unavailable when I tried to get one many years ago.

Anyway, Ten Tec has since made a separate Auto Tuner kit to add the AT function to the Orion II, the manual is part number 74437. I have attached it, so Steven Hammond may get it, others can look for it on the Ten Tec Manuals download site. Installing the Auto Tuner kit is a one solder point job and that solder point location is in an area open enough a beginning solderer should be able to do it. There is a huge amount of space to install the Auto Tuner Kit - see the pictures in the manual (not sure what Sam Jacobs was referring to on there being no room). Read the manual for the kit, as the manual is very informative, well written, has pictures, tells you everything you need to do and how to do it. I purchased the Auto Tuner Kit from Ten Tec, I installed and it has worked perfectly since installation - there were a couple problems using it until I got used to it, but they were only operator errors (mine) and had nothing to do with the kit not working perfectly.

I have had my A9 board replaced (preventive maintenance) as one of the caps had a tilt to it that I did not like, but never any trouble with my Orion II.

Steve AD7TD

On 2/20/2014 9:49 AM, Tony Lelieveld wrote:
> I bought my Orion-II, in 2007, without the tuner. At the time, LDG
> had custom build tuners (model OT-11P ($149)) for the Orion-II as a
> virtual "drop-in place" one as it required only 1 solder connection.
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> 73, Tony VE3DWI.
> **********
>
> ----- Original Message -----
> *From:* Sam W Jacobs CET <mailto:Sam@...>
> *To:* orion565@...m <mailto:orion565@yahoogroups.com>
> *Sent:* Thursday, February 20, 2014 4:55 AM
> *Subject:* Re: [orion565] Tuner installation

>
> Steve, if the O2 wasn't originally ordered with the tuner
> installed, you cannot install one later. From what I understand
> from T*T, they use two different chassis configurations, one with
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>
> 73 !
> Sam
> K3SAM
>
> ---
> *From:* Steven Hammond <bcf1689@...>
> *To:* orion565@yahoogroups.com
> *Sent:* Monday, February 17, 2014 6:15 AM
> *Subject:* [orion565] Tuner installation
>
> I'm looking at several O2 rigs to purchase. One of them doesn't have
> the built-in tuner. I really would like the tuner (unless someone can
> convince me that there is no need for it). My question is, how
> hard is
> it to install the internal tuner for a beginner?
>
> Steve Hammond
> KY5M
>
> ---
> This email is free from viruses and malware because avast!
> Antivirus protection is active.
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>
>
>
>

[Non-text portions of this message have been removed]

9966. Ten Tec repair

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-20 23:18:53 UTC
From: <amfone20000@...>
Topic: 9966 Message: 9966

Hello

I have an Orion 1 or the original Orion. I heard a nasty rumor today that TT will no longer repair this radio. Is there any truth to this rumor? Any help appreciated.

Thanks 73 Tim WB8UHZ

9968. Re: Tuner installation

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-22 16:44:29 UTC
From: Lester
Topic: 9941 Message: 9968

Installed the tuner I got from tt in my o2...pretty easy...go on Internet , there are instructions...it may be tt site.

K5lg

Sent from my iPad

9969. Re: [orion565] Re: Tuner installation

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-23 02:39:59 UTC
From: Steven Hammond
Topic: 9941 Message: 9969

I finally did it! I got an Orion II this AM. Bought it from KD5ZSX.
It has all the filters, auto-tuner, matching speaker, P/S, etc. I would
like to know if you have some favorite settings especially with mikes
and such. I realize it varies depending on a multitude of factors. I
have a Heil Proset Plus headset I'm currently using (any suggestions on
a good desktop mike would be appreciated).

Anyway, I've already made a couple of contacts (SSB) and I will attempt
a few CW later (I'm still slow). I just need to get a cable for HRD
and I'm in business. I have a Signalink USB coming for the digital modes.

Any other accessories you might recommend?

Steve Hammond
KY5M

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9970. Re: [orion565] Re: Tuner installation

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-23 12:25:17 UTC
From: <pa1ap@...>
Topic: 9941 Message: 9970

Congratulations and enjoy your new rig!

Only a few tips you might want to read;
1) in case you connect serial port to computer, please ensure both share common ground to avoid a ground loop which could fry your serial chip. Using a USB based serial adapter is also a safer method.
2) check your firmware and compare with the latest as available on TT website. It is worth upgrading. When performing an update please make sure you select the correct sub receiver after installation. There is stock receiver and the new advanced receiver. If you select the wrong one, no harm done but your sub receiver wont activate. Just perform a master reset and you can select the correct receiver.
3) if you find the receiver to be "noisy" just turn down RF gain until the noise drops a little. I will refrain from optimum AGC settings as this is discussed so many times it became almost mythical. Just ensure AGC does not activate on band noise unless you like to normalize band noise.
4) speed of changing frequency. The VFO knobs follow the step size. If you press main RX (or sub RX) once this step size will be x10... press main RX again and it will go back to x1. I personally have the step size @ 10 Hz and keep the x10 enabled. When fine tuning I just push the main RX button for x1 (10Hz in my case).
5) you can "calibrate" your s-meter using a sequence as described on TT website. No big deal but easy to miss if you don't know.

Enjoy the rig. Best regards, Onno pa1ap

9971. Re: [orion565] Re: Tuner installation

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-23 17:55:12 UTC
From: catfishtwo@...
Topic: 9941 Message: 9971

Enjoy. I find in a ssb contest you will have the lo band filter set at
500 or 600 cps and the BW at about 1800 cycles, so you are actually
listening at the voice from about 500 cycle up to about 2300 cycles so you hear
the "meat" of the voice and it makes the bands sound like everyone is
sitting 2 ka part all the way up the band. very nice.

Same thing on CW but of course you use much narrower settings, and with a
band width of say 350 cycles it sets up each signal like they are spaced by
you school teacher a couple hundred cycles apart, all the way up the band.

As an aside, for some reason the bands sound better tuning up the band
rather than down, but perhaps that is just me and these old ears. At first
the Orions sound noisy and hissy, but then you realize it just all the
signals you couldn't hear before. good luck and enjoy. tom N6AJR

In a message dated 2/22/2014 6:39:44 P.M. Pacific Standard Time,
bcf1689@... writes:

I finally did it! I got an Orion II this AM. Bought it from KD5ZSX.
It has all the filters, auto-tuner, matching speaker, P/S, etc. I would
like to know if you have some favorite settings especially with mikes
and such. I realize it varies depending on a multitude of factors. I
have a Heil Proset Plus headset I'm currently using (any suggestions on
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and I'm in business. I have a Signalink USB coming for the digital modes.

Any other accessories you might recommend?

Steve Hammond
KY5M

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Yahoo Groups Links

9972. RE: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-24 04:17:59 UTC
From: <pdulaff@...>
Topic: 9941 Message: 9972

All

I have been chasing the intermittent boot problem with my Orion 1. Looks like pins 204, 205 and 206 on U100A are cold solder connections. If I apply gentle pressure with an insulated tool on these pins, the rig boots and runs fine. If I release the pressure, I lose the sweep function, S-meter locks etc. Pin 155 on U100B looks suspect also.

I have requested Ten-Tec service to comment on repairing these solder connections by sending the logic board to their service department and having their folks resolder these pins and test the board.

See how it goes.

Paul - WB2NMI

9973. RE: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-24 04:22:25 UTC
From: <pdulaff@...>
Topic: 9941 Message: 9973

I found the cause of the intermittent boot problem on my Orion 1. Pins 204, 205 and 206 on U100A appear to have cold solder connections. If I apply gentle pressure with an insulated tool onto these pins, the rig boots and runs fine. If I release pressure, the rig immediately loses the sweep function and the S-meter locks mid scale etc. Also, pin 155 on U100B looks suspect.

I am sending the logic board back to ten tec to have these pins resoldered.

Paul - WB2NMI

9974. Re: [orion565] RE: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-24 04:53:51 UTC
From: K Van Horn
Topic: 9941 Message: 9974

Wonderful!!

Kirby, K7EC

From: pdulaff@...
Sent: Sunday, 23 February, 2014 21:22
To: orion565@yahoogroups.com
Subject: [orion565] RE: Boot Failure on Orion I

I found the cause of the intermittent boot problem on my Orion 1. Pins 204, 205 and 206 on U100A appear to have cold solder connections. If I apply gentle pressure with an insulated tool onto these pins, the rig boots and runs fine. If I release pressure, the rig immediately loses the sweep function and the S-meter locks mid scale etc. Also, pin 155 on U100B looks suspect.

I am sending the logic board back to ten tec to have these pins resoldered.

Paul - WB2NMI

9975. Receiver Hangs

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-24 10:00:47 UTC
From: John Huffman
Topic: 9975 Message: 9975

All -

This one has me puzzled.

My Orion 2, with the latest firmware, has an odd problem. On CW the transition from transmit back to receive is very slow, one or more seconds.

I have the QSK delay set at 0%.
I have the AGC Hang set at 00.00s.

Keyer?
This happens with the internal keyer or an external keyer.

RFI?
This happens with the power set to 100 watts or 1 watt.

The hang is erratic from 1 second to as long as 5 seconds

Here's the puzzle... It only happens on 20 meters.

Ideas???

73 de K1ESE
John

9990. CW monitor

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-24 21:54:02 UTC
From: Steven Hammond
Topic: 9941 Message: 9990

Ok, what am I missing here? I set the MONITOR level and it sounds good in my Heil Pro headset on SSB but the CW blows my ear drums out! I've tried hitting the MON button to turn it off and I still here the CW as I transmit. What fine print in the manual did my aging eyes overlook (hi). I know there has got to be a way to turn it down. Thanks!

Steve Hammond
KY5M

9991. Re: [orion565] CW monitor

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-24 22:02:10 UTC
From: Martin Pelt
Topic: 9941 Message: 9991

There is a sidenote adjustment at the top of the screen

73, Martin N4UU
On Feb 24, 2014 4:54 PM, "Steven Hammond" <bcf1689@...> wrote:

> Ok, what am I missing here? I set the MONITOR level and it sounds good in
> my Heil Pro headset on SSB but the CW blows my ear drums out! I've tried
> hitting the MON button to turn it off and I still here the CW as I
> transmit. What fine print in the manual did my aging eyes overlook (hi).
> I know there has got to be a way to turn it down. Thanks!
>
> Steve Hammond
> KY5M
>
> ------------------------------------
>
>
> Yahoo Groups Links
>
>
>
>

9992. Re: CW monitor

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-24 22:22:13 UTC
From: jsmith207@att.net
Topic: 9941 Message: 9992

Hi Steven,

You are hearing the CW sidetone. There is a button above the display labeled 'S-TONE'. Press that button and then use the MULTI encoder to adjust its level.

I hope this resolves your issue.

73..
Howard, WA9AXQ

9993. RE: CW monitor

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-24 22:55:16 UTC
From: <ve7tk@...>
Topic: 9941 Message: 9993

Steve I think that MON is for monitoring SSB and FSK transmitted audio only. I think you should be adjusting the S-TONE (sidetone) level for CW. That's on top of the display next to the MIC gain button.

Good luck.

73, Rick
VE7TK

9995. Re: [orion565] Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-25 00:19:32 UTC
From: Fernando
Topic: 9941 Message: 9995

Excellent!

Thanks for posting your findings.

Fernando N2FQ/6
n2fq@sbcglobal.net

On Feb 23, 2014, at 8:22 PM, pdulaff@... wrote:

>
>
> I found the cause of the intermittent boot problem on my Orion 1. Pins 204, 205 and 206 on U100A appear to have cold solder connections. If I apply gentle pressure with an insulated tool onto these pins, the rig boots and runs fine. If I release pressure, the rig immediately loses the sweep function and the S-meter locks mid scale etc. Also, pin 155 on U100B looks suspect.
>
> I am sending the logic board back to ten tec to have these pins resoldered.
>
> Paul - WB2NMI
>
>

9996. Re: [orion565] RE: CW monitor

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-25 04:05:03 UTC
From: Steven Hammond
Topic: 9941 Message: 9996

Thanks to everyone. My old FT-2000 just used one MONITOR button. Next question, does anyone know what settings should be set for a Heil Proset Plus headset/microphone? Does anyone have a recommendation for a regular desktop mic? Thanks.

Steve Hammond
KY5M
On 2/24/2014 16:55, ve7tk@... wrote:
>
> Steve I think that MON is for monitoring SSB and FSK transmitted audio
> only. I think you should be adjusting the S-TONE (sidetone) level for
> CW. That's on top of the display next to the MIC gain button.
>
>
> Good luck.
>
> 73, Rick
> VE7TK
>

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http://www.avast.com

9997. RE: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-25 04:05:51 UTC
From: <pdulaff@...>
Topic: 9941 Message: 9997

So I contacted TEN TEC service today. They cannot effectively service stand alone PCB assemblies since the service department does not have test fixtures for boards or radios they have access to for testing corrected boards. They want the entire transceiver. They want to go through the entire transceiever even though I have found the problem. That approach would force me into an expensive repair for a rig that is 11 years old, Something I want to avoid.
Looks like I am going to have to work on high density SMT myself.

9998. Re: [orion565] RE: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-25 04:39:15 UTC
From: John K7FD
Topic: 9941 Message: 9998

I wish there were a sharp shootin' tech out there in radioland that specialized in Ten Tec repairs other than the Ten Tec Service Dept...

Here in the Northwest, we have a guy named Kuni who is an Icom expert. He's a one man show and he is tops. Everybody with an Icom goes to Kuni...

We need a Kuni that knows Ten Tec stuff...

John K7FD

> On Feb 24, 2014, at 8:05 PM, <pdulaff@...> wrote:
>
> So I contacted TEN TEC service today. They cannot effectively service stand alone PCB assemblies since the service department does not have test fixtures for boards or radios they have access to for testing corrected boards. They want the entire transceiver. They want to go through the entire transceiever even though I have found the problem. That approach would force me into an expensive repair for a rig that is 11 years old, Something I want to avoid.
>
> Looks like I am going to have to work on high density SMT myself.
>
>
>
>

9999. Re: Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-25 13:44:54 UTC
From: Rolf Krogstad
Topic: 9941 Message: 9999

You could try contacting Gary Grivna, K0GX. He does very good work and may
be will to take the board only.

Here in the Twin Cities (MN) all the hams use him instead of sending rigs
off to the manufacturer.
He was worked on multiple Orions and many other rigs.

Grivna, Gary - Electronix Servicing
6028 Candlewood Dr
Minneapolis MN 55443
(763) 561-2836
grivn001@...

[image: Inline image 1]

73
Rolf NR0T

==========
3.2Re: Boot Failure on Orion
I<https://groups.yahoo.com/group/orion565/message/9997;_ylc=X3oDMTJyN25sYTJvBF9TAzk3MzU5Nz
E1BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM5OTk3BHNlYwNkbXNnBHNsawN2bXNnBHN0
aW1lAzEzOTMzMjIzMDM->
Mon Feb 24, 2014 8:05 pm (PST) . Posted
by:pdulaff<pdulaff@...?subject=Re%3A%20Boot%20Failure%20on%20Orion%20I>
So I contacted TEN TEC service today. They cannot effectively service stand
alone PCB assemblies since the service department does not have test
fixtures for boards or radios they have access to for testing corrected
boards. They want the entire transceiver. They want to go through the
entire transceiever even though I have found the problem. That approach
would force me into an expensive repair for a rig that is 11 years old,
Something I want to avoid.
Looks like I am going to have to work on high density SMT myself.

[Non-text portions of this message have been removed]

10000. O2+HRD

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-25 16:16:43 UTC
From: Steven Hammond
Topic: 10000 Message: 10000

I’m hooking up my new O2 to HRD and have a question. I was using a serial cable on my FT-2000, but I see the O2 has a different gender for the connection. No big deal, but is the connection STRAIGHT THROUGH or NULL MODEM? Please no comments about using RS232<=>USB. I still have 3 lying around that are pretty useless in Windows 7 (either no drivers or flaky drivers). I have a dedicated serial board in my workstation (cheaper than the converter cable). I just need to make sure which cable to buy. Thanks.

Steve Hammond
KY5M

10001. Re: [orion565] O2+HRD

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-25 16:32:06 UTC
From: Billy Cox
Topic: 10000 Message: 10001

Good Morning Steve,

Straight through should work fine.

73 de Billy, AA4NU

-----Original Message-----
>From: Steven Hammond <bcf1689@...>
>I'm hooking up my new O2 to HRD and have a question. I was using a serial cable on my FT-2000, but I see the O2 has a different gender for the connection. No big deal, but is the connection STRAIGHT THROUGH or NULL MODEM? Please no comments about using RS232<=>USB. I still have 3 lying around that are pretty useless in Windows 7 (either no drivers or flaky drivers). I have a dedicated serial board in my workstation (cheaper than the converter cable). I just need to make sure which cable to buy. Thanks.
>
>Steve Hammond
>KY5M

10002. Re: [orion565] O2+HRD

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-25 16:59:34 UTC
From: Steven Hammond
Topic: 10000 Message: 10002

Thanks. I'll get one ordered. Now if I can just find a good mic to go with it. :-)

Steve Hammond
KY5M
On Feb 25, 2014, at 10:32 AM, Billy Cox <aa4nu@...> wrote:

> Good Morning Steve,
>
> Straight through should work fine.
>
> 73 de Billy, AA4NU
>
> -----Original Message-----
> >From: Steven Hammond <bcf1689@...>
> >I'm hooking up my new O2 to HRD and have a question. I was using a serial cable on my FT-2000, but I see the O2 has a different gender for the connection. No big deal, but is the connection STRAIGHT THROUGH or NULL MODEM? Please no comments about using RS232<=>USB. I still have 3 lying around that are pretty useless in Windows 7 (either no drivers or flaky drivers). I have a dedicated serial board in my workstation (cheaper than the converter cable). I just need to make sure which cable to buy. Thanks.
> >
> >Steve Hammond
> >KY5M
>
>

10003. Re: [orion565] O2+HRD

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-25 17:09:23 UTC
From: Billy Cox
Topic: 10000 Message: 10003

Hi Steve,

I have used a Heil Proset for years with no problems?and?
even the stock desk mike from time to time.

You might want to check the Files section as we had?a?
spreadsheet there with some examples of various?settings?
that different users had found worked for them?

Hope this helps!

73 de Billy, AA4NU
-----Original Message-----
From: Steven Hammond
Thanks. ?I'll get one ordered. ?Now if I can just find a good mic to go with it. ?:-)

Steve Hammond
KY5M

On Feb 25, 2014, at 10:32 AM, Billy Cox <aa4nu@...com.com> wrote:

Good Morning Steve,

Straight through should work fine.

73 de Billy, AA4NU

-----Original Message-----
>From: Steven Hammond <bcf1689@...>
>I'm hooking up my new O2 to HRD and have a question. I was using a serial cable on my FT-2000, but I see the O2 has a different gender for the connection. No big deal, but is the connection STRAIGHT THROUGH or NULL MODEM? Please no comments about using RS232<=>USB. I still have 3 lying around that are pretty useless in Windows 7 (either no drivers or flaky drivers). I have a dedicated serial board in my workstation (cheaper than the converter cable). I just need to make sure which cable to buy. Thanks.
>
>Steve Hammond
>KY5M

10004. Re: [orion565] Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-25 18:20:04 UTC
From: Fernando
Topic: 9941 Message: 10004

Bummer!

Here is a video with a solder and wick that I would try.

<http://youtu.be/8yyUlABj29o>

GL.

Fernando N2FQ/6
n2fq@...

On Feb 24, 2014, at 8:05 PM, pdulaff@... wrote:

>
>
> So I contacted TEN TEC service today. They cannot effectively service stand alone PCB assemblies since the service department does not have test fixtures for boards or radios they have access to for testing corrected boards. They want the entire transceiver. They want to go through the entire transceiever even though I have found the problem. That approach would force me into an expensive repair for a rig that is 11 years old, Something I want to avoid.
>
> Looks like I am going to have to work on high density SMT myself.
>
>
>
>
>

10005. RE: [orion565] O2+HRD

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-26 04:54:58 UTC
From: Ананьев Игорь Всеволо
Topic: 10000 Message: 10005

I'm hooking up my new O2 to HRD and have a question. I was using a serial cable on my FT-2000, but I see the O2 has a different gender for the connection. No big deal, but is the connection STRAIGHT THROUGH or NULL MODEM? Please no comments about using RS232<=>USB. I still have 3 lying around that are pretty useless in Windows 7 (either no drivers or flaky drivers). I have a dedicated serial board in my workstation (cheaper than the converter cable). I just need to make sure which cable to buy. Thanks.

Steve Hammond
KY5M

I have O2 and use one with all Soft using connection STRAIGHT THROUGH.
73 Igor, UA6LJB

10006. Re: [orion565] O2+HRD

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-26 13:02:54 UTC
From: Michael Jones
Topic: 10000 Message: 10006

Hi Steve...

I have an O2 and use the TenTec USB to serial cable. Works for me. I am using HRD 5. something or another...the last free version and I have no problems.

Hope this helps...

73

Mike K9OJT

On Tuesday, February 25, 2014 11:55 PM, Ананьев Игорь Всеволодович <udas@...> wrote:

I'm hooking up my new O2 to HRD and have a question. I was using a serial cable on my FT-2000, but I see the O2 has a different gender for the connection. No big deal, but is the connection STRAIGHT THROUGH or NULL MODEM? Please no comments about using RS232<=>USB. I still have 3 lying around that are pretty useless in Windows 7 (either no drivers or flaky drivers). I have a dedicated serial board in my workstation (cheaper than the converter cable). I just need to make sure which cable to buy. Thanks.

Steve Hammond
KY5M

I have O2 and use one with all Soft using connection STRAIGHT THROUGH.
73 Igor, UA6LJB

Yahoo Groups Links

    https://info.yahoo.com/legal/us/yahoo/utos/terms/

10007. Orion III

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-26 16:31:28 UTC
From: NX4D
Topic: 10007 Message: 10007

At Orlando Hamcation 2014, I talked to John Henry about Orion III:

It is "possible" that a new Orion III will be available in two years.

The Omni VII uses improved OII firmware and paves the way for OIII.

The full sized Orion III will possibly have several menu-assignable knobs..... large knobs spaced where a guy can get his fingers on them.

I want and need a dedicated RF gain knob, so it would be possible to permanently assign that function to whichever knob I wanted. Would also like to assign filter "Taps" to a knob for noisy nights on 160m.

The OIII would be a full panel version of the Omni, but with assignable knobs and more knobs, plus the knob interface, so I would expect a reasonable price. I could get excited with a full sized 200 watt Orion III that could hear as good or better than my present Orion II !

Ten Tec is aware that there are still plenty of us that just can't stand a tiny menu driven radio with a few small crowded knobs, so for us, there is hope.

The decision was made to halt Orion II production to preserve repair parts inventory. I appreciate this as I plan to always have my OII in the shack.

I did not think to ask about the correlation of OII firmware vs. Omni firmware. It would be nice to continue receiving OII upgrades as the firmware is advanced.

73 / Doug / NX4D

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4335 / Virus Database: 3705/7126 - Release Date: 02/26/14

10008. Headphones with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-26 20:00:21 UTC
From: <hamwill12@...>
Topic: 10008 Message: 10008

I have been using the Ten-Tec 777 DX Pro headphones with great success, but do to some new medical conditions I must use a much lighter set. I do have the Heil Pro-Micro light weight headphones and would like to hear from anyone that uses them to get the correct setting for SSB rag chewing and DX work.. Please respond here or at my call arrl.net
Thanks for your help.

Bill
W3LWH

10009. Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-27 03:50:27 UTC
From: Steven Hammond
Topic: 10009 Message: 10009

Okay, got the hardware, cables, etc today and plugged everything in. Went into Windows 7 to verify sound setup (should be okay since I was using a Signalink USB with last radio). However, I'm having 2 issues.

1. Audio levels - no matter what I do, they hover around 6%. Very little shows up on the waterfall. I've tried turn RX on the Signalink to max. AGC is set to fast. I tried cranking RF GAIN 100%. Nothing seems to help. Is there a menu setting I've overlooked that controls the audio level out on the AUX connector?
2. Transmitting - the Signalink lights up and the radio appears to switch into transmit mode, but the meter doesn't show power output. I have the power set to 100W and then set the TX on the Signalink to around 30% (I always used it for QRP in the past).

Any help would be greatly appreciated.

Steve Hammond
KY5M

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10010. Re: [orion565] Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-27 16:15:57 UTC
From: N9ETD@...
Topic: 10009 Message: 10010

Steve

If I remember correctly isn't there something in the Signal Link instructions that tells about if the levels aren't high enough that there's an internal jumper in the box you need to hookup to raise the levels ? You may look in that direction to help your problem.

73, Craig N9ETD

10011. Re: [orion565] Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-27 23:11:47 UTC
From: James
Topic: 10009 Message: 10011

This sounds like what was happening to me. I was using the Ten Tec cable #712. I sent my Orion II back to Ten Tec 4 weeks a go. I have not heard back from them.

Jim
WA2DNII

On Thu, 2/27/14, N9ETD@... <N9ETD@...> wrote:

Subject: Re: [orion565] Signalink USB setup for Orion II
To: orion565@yahoogroups.com
Date: Thursday, February 27, 2014, 11:15 AM

Steve

If I remember correctly isn't there something in
the Signal Link
instructions that tells about if the levels aren't high
enough that there's an
internal jumper in the box you need to hookup to raise the
levels ? You may look
in that direction to help your problem.

73, Craig N9ETD

10012. RE: Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-27 23:45:53 UTC
From: <pa1ap@...>
Topic: 10009 Message: 10012

oz1pif has a modification you need to perform to get this working. a design error in 566 results in a dc voltage on the audio audio pin. this dc voltage saturates the transformer of your signalink and things will not work well. just include a capacitor to decouple the dc voltage and see if that solves the issue. hope this helps, best regards, onno

10013. Re: [orion565] RE: Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-28 04:14:26 UTC
From: Steven Hammond
Topic: 10009 Message: 10013

Success! The module they sent with the Signalink USB was not wired properly. I checked the wiring on their website and it was for an ICOM radio. I took the module out, rewired it myself with the provided wires, and BINGO, I'm in business. At least on the RX side. It looks great. I'm still working on the TX. I noticed I have to turn the AUX GAIN up quite high, but I still don't see the meter moving though I do hear the PSK31 transmission tones. I'll keep experimenting.

Steve Hammond
KY5M

On 2/27/2014 17:45, pa1ap@... wrote:
>
> oz1pif has a modification you need to perform to get this working. a
> design error in 566 results in a dc voltage on the audio audio pin.
> this dc voltage saturates the transformer of your signalink and things
> will not work well. just include a capacitor to decouple the dc
> voltage and see if that solves the issue. hope this helps, best
> regards, onno
>
>

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http://www.avast.com

10014. RE: [orion565] RE: Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-02-28 06:15:56 UTC
From: John Hudson
Topic: 10009 Message: 10014

Steve on my O1 I think my AUX GAIN is around 14-15.. that’s where I found it to work 3-4 years ago and leave it there.

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Steven Hammond
Sent: Thursday, February 27, 2014 10:14 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] RE: Signalink USB setup for Orion II

Success! The module they sent with the Signalink USB was not wired properly. I checked the wiring on their website and it was for an ICOM radio. I took the module out, rewired it myself with the provided wires, and BINGO, I'm in business. At least on the RX side. It looks great. I'm still working on the TX. I noticed I have to turn the AUX GAIN up quite high, but I still don't see the meter moving though I do hear the PSK31 transmission tones. I'll keep experimenting.

Steve Hammond
KY5M

On 2/27/2014 17:45, pa1ap@... wrote:

oz1pif has a modification you need to perform to get this working. a design error in 566 results in a dc voltage on the audio audio pin. this dc voltage saturates the transformer of your signalink and things will not work well. just include a capacitor to decouple the dc voltage and see if that solves the issue. hope this helps, best regards, onno

---

<http://www.avast.com/>

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10015. RE: [orion565] RE: Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-02 22:22:20 UTC
From: Stan
Topic: 10009 Message: 10015

Steve,

Turn the Aux Gain level to 100 and adjust the power level with the Signalink TX knob. Works like a charm.

73,

Stan, W4AG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Steven Hammond
Sent: Thursday, February 27, 2014 11:14 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] RE: Signalink USB setup for Orion II

Success! The module they sent with the Signalink USB was not wired properly. I checked the wiring on their website and it was for an ICOM radio. I took the module out, rewired it myself with the provided wires, and BINGO, I'm in business. At least on the RX side. It looks great. I'm still working on the TX. I noticed I have to turn the AUX GAIN up quite high, but I still don't see the meter moving though I do hear the PSK31 transmission tones. I'll keep experimenting.

Steve Hammond
KY5M

On 2/27/2014 17:45, pa1ap@... <mailto:pa1ap@...> wrote:

oz1pif has a modification you need to perform to get this working. a design error in 566 results in a dc voltage on the audio audio pin. this dc voltage saturates the transformer of your signalink and things will not work well. just include a capacitor to decouple the dc voltage and see if that solves the issue. hope this helps, best regards, onno

---

<http://www.avast.com/>

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[Non-text portions of this message have been removed]

10016. Re: [orion565] Boot Failure on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-03 02:48:47 UTC
From: <pdulaff@...>
Topic: 9941 Message: 10016

Had a good day today getting the intermittent connection(s) on the logic board worked out. After reading my post on this list, one local (within NJ) ham offered his help using his skills in soldering SMD componenets to take a look. He resoldered the suspect pins on U100 A & B. No joy, as many of these pins were NC on the schematic or redundant ground pins, but the sensitivity as to where you nudge the board to work changed. The logic board is an early production PCB (first run) and had evidence of manual rework on it. This manual rework was incurred in production of the board. Arek and I then decided he would use his SMD heat gun on all the larger IC's on the board, just reflow everything. There are 3 QFP's which constitute 612 total solder connections all combined. He reflowed all the solder conections. Reinstalled the logic board and we had a working transceiver.

This is Arek's second Orion to fix. The first was a scrap Orion II that he was able to fix by replacing a bad 8 volt reference voltage chip in the synthesizer. Arek has broght back several ICOM rigs and now 2 Orions.

Arek is AC2FC. He has a web page that can find on QRZ.com. He frequents this list or can be contacted thru his web page.

I was contacted privately by TEN TEC service. There was comment made that my statements about servicing PCB assemblies standalone was not correct. It is possibble for TEN TEC to service individual boards. Final test and troubleshooting of the PCB assembly is to install the board in a transeiver. This requires TEN TEC to disassemble/reassemble a transceiver which is more in labor cost that shipping your complete transceiver 2 ways. Their strong preference in this situation is to have the entire transciever.

Best 73's to all

Paul - WB2NMI

10017. New internal battery solved all lock-up issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-03 09:03:41 UTC
From: <pa5mw@...>
Topic: 10017 Message: 10017

Several years ago at our club-station PI4TUE, we acquired an older, used ORION 565.
Although all the PSU mods were done on the A9 board, this rig intermittently suffered from various occasional hick-ups and /or lock-ups, no RX, etc. during extensive use in contesting. It had to be rebooted between 2 and 5 times during contest weekends.
Occasionally the use of an PTT footpedal would trigger the failure, on other occcsions it was the typical 'pushing buttons too quickly in a row or while in TX-mode'.
Other mods were tried, like beafing up the 13.8V DC cabling & connectors or setting the DC to 14.3V Although that seemed to help, problems would return during extended serious contesting.
The 565 was already taken apart few times completely, including the front panel board because due to operator failure the headphone amp was destroyed and needed an exchange.
Connectors/contacts/flatband cables etc. where cleaned but just not seemed to be of any influence.

For the new 2013/2014 winter contest season we decided to exchange the ** internal battery** (received promptly from TT service).
From that moment on not a single hick-up was noted anymore.
The 565 is used through a 24hr and two 48hr contests (both CW and SSB) as main operating rig and functioned flawlessly.

73 Mark, PA5MW

10018. Re: [orion565] Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-03 14:06:51 UTC
From: Steven Hammond
Topic: 10009 Message: 10018

Thanks! I'll give that a try tonight. Does anyone have mic settings for the TEN TEC REGAL microphone? I've tried 60 MIC GAIN and 4.0 DB HARDWARE GAIN but it still seems to be soft. I have to get really close to the mic. I tried using the SP on 1 and 2 and it seemed to help somewhat but I'm afraid of distorting my speech (it distorts on its on enough - hi).

Steve Hammond
KY5M

On Mar 2, 2014, at 4:22 PM, Stan <w4ag@...> wrote:

> Steve,
>
> Turn the Aux Gain level to 100 and adjust the power level with the Signalink TX knob. Works like a charm.
>
> 73,
>
> Stan, W4AG
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Steven Hammond
> Sent: Thursday, February 27, 2014 11:14 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] RE: Signalink USB setup for Orion II
>
> Success! The module they sent with the Signalink USB was not wired properly. I checked the wiring on their website and it was for an ICOM radio. I took the module out, rewired it myself with the provided wires, and BINGO, I'm in business. At least on the RX side. It looks great. I'm still working on the TX. I noticed I have to turn the AUX GAIN up quite high, but I still don't see the meter moving though I do hear the PSK31 transmission tones. I'll keep experimenting.
>
> Steve Hammond
> KY5M
>
> On 2/27/2014 17:45, pa1ap@... <mailto:pa1ap@...> wrote:
>
> oz1pif has a modification you need to perform to get this working. a design error in 566 results in a dc voltage on the audio audio pin. this dc voltage saturates the transformer of your signalink and things will not work well. just include a capacitor to decouple the dc voltage and see if that solves the issue. hope this helps, best regards, onno
>
> _____
>
> <http://www.avast.com/>
>

> This email is free from viruses and malware because avast! Antivirus
<http://www.avast.com/> protection is active.
>
> [Non-text portions of this message have been removed]
>
>
>

10019. Re: [orion565] RE: Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-05 04:41:02 UTC
From: Steven Hammond
Topic: 10009 Message: 10019

That did the trick. Made all sorts of QSO's on PSK31 tonight. The rig came with an optional fan that appears to bolt on to the back of the rig. Do you guys find this really necessary or only under heavy use (i.e., digital modes)? I did notice the matching P/S (TT 963) fan came on which I'm not use to (my Jetstream has a small fan but rarely comes on or is heard).

Steve Hammond
KY5M

On 3/2/2014 16:22, Stan wrote:
> Steve,
>
> Turn the Aux Gain level to 100 and adjust the power level with the
> Signalink TX knob. Works like a charm.
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> 73,
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> Stan, W4AG
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> Behalf Of Steven Hammond
> Sent: Thursday, February 27, 2014 11:14 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] RE: Signalink USB setup for Orion II
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> properly. I checked the wiring on their website and it was for an ICOM
> radio. I took the module out, rewired it myself with the provided
> wires, and BINGO, I'm in business. At least on the RX side. It looks
> great. I'm still working on the TX. I noticed I have to turn the AUX
> GAIN up quite high, but I still don't see the meter moving though I do
> hear the PSK31 transmission tones. I'll keep experimenting.
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> Steve Hammond
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> On 2/27/2014 17:45, pa1ap@...
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> oz1pif has a modification you need to perform to get this working. a
> design error in 566 results in a dc voltage on the audio audio pin.
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> will not work well. just include a capacitor to decouple the dc

> voltage and see if that solves the issue. hope this helps, best
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>
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
> [Non-text portions of this message have been removed]
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

10020. Re: [orion565] RE: Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-05 19:02:39 UTC
From: <avidmar@...>
Topic: 10009 Message: 10020

I have had the fan since I owned a Jupiter many years ago and kept it when I bought the O2. With the fan on you can run a RTTY contest at 100W and not overheat. It is not necessary for normal digital use but if installed, it just sits there and works. Don't forget to take it off once in a while and give the heat sink fins a sweep to get rid of the dust that accumulates. Art

10021. Orion 565 For Sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-05 20:40:25 UTC
From: <retire@...>
Topic: 5849 Message: 10021

Good day, gents,
I have decided to sell my Orion 565AT and purchase a new Omni VII.
My Orion is a beauty. I'm the second owner and both of us took great care of it. Everything works, and it's decked out with the built in tuner and all filters (currently a $375 value). Screen is bright and clear at 40%.

I have had zero problems with the rig, although I have not brought it up to the current firmware revision, that's easy to do. I've sent the radio to Ten Tec service to have them completely go through it, make sure everything is up to spec and will have it shipped directly to you from TT when it's been checked out. I do have pictures if you want to see it.

TT wants $2250 for the same radio, and I'm sure if I trade it that's what they'll ask for this one.

I'd like $2000, and I'll pay the shipping to get it to you. Please respond if you'd like to talk about it or get pictures.

Larry, W0PR
Northfield, MN
pensionguy@gmail.com or w0pr@arrl.net

10022. Capacitor replacement on Orion II power distribution board

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-07 22:06:25 UTC
From: Barry N1EU
Topic: 10022 Message: 10022

My Orion II occasionally goes through the sequence of LCD display goes dark followed by rig rebooting itself. Am I correct in assuming I need to replace the caps on the power distribution board?

WB2RHM posted this info on the original Orion (565). Does anybody know if this cap info is identical for the Orion II (566)?

Panasonic, Low-ESR, 50WVDC, 108C electrolytic caps for 565 A9 board:

667-EEU-FR1H221 MFG Part No:EEU-FR1H221 Panasonic Aluminum Electrolytic Capacitors - Leaded 220uf 50WVDC 108C 1 -C2 $0.39ea

667-EEU-FR1H220 MFG Part No:EEU-FR1H220 Panasonic Aluminum Electrolytic Capacitors - Leaded 22uf 50WVDC 108C 3 -C3,C4,C5 $0.09ea

667-EEU-FR1H101 MFG Part No:EEU-FR1H101 Panasonic Aluminum Electrolytic Capacitors - Leaded 100uf 50WVDC 108C 2 -C1,C8 $0.22ea

667-EEU-FR1H471 MFG Part No:EEU-FR1H471 Panasonic Aluminum Electrolytic Capacitors - Leaded 470uf 50WVDC 108C 3 -C6,C7,C9 $0.69ea

Thanks & 73,
Barry N1EU

10023. Re: [orion565] Capacitor replacement on Orion II power distribution board

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-07 23:00:58 UTC
From: K Van Horn
Topic: 10022 Message: 10023

Hi Barry,

I use the 667-EEU-FR1H471B 50VDC 470uF to replace the 3 caps on the A9 board.

http://www.n6ie.com/A9_Fix.html shows which caps, but the cap he specifies is outdated, and the one above has better specs!
Have fun!!
Kirby

From: Barry N1EU
Sent: Friday, 7 March, 2014 15:06
To: Discussion of Ten-Tec Equipment ; Orion565
Subject: [orion565] Capacitor replacement on Orion II power distribution board

My Orion II occasionally goes through the sequence of LCD display goes dark followed by rig rebooting itself. Am I correct in assuming I need to replace the caps on the power distribution board?

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Thanks & 73,
Barry N1EU

10024. RE: [orion565] Capacitor replacement on Orion II power distribution board

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-08 03:21:31 UTC
From: John Hudson
Topic: 10022 Message: 10024

Barry, does it reboot while transmitting or does it reboot when receiving? If it reboots when you transmit, check your DC connector on the back. Look for brownish color inside the connectors

A9 board is pretty easy too

Best of luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of K Van Horn
Sent: Friday, March 07, 2014 5:01 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Capacitor replacement on Orion II power distribution board

Hi Barry,

I use the 667-EEU-FR1H471B 50VDC 470uF to replace the 3 caps on the A9 board.

http://www.n6ie.com/A9_Fix.html shows which caps, but the cap he specifies is outdated, and the one above has better specs!

Have fun!!

Kirby

From: Barry N1EU <mailto:barry.n1eu@...>

Sent: Friday, 7 March, 2014 15:06

To: Discussion of <mailto:tentec@...> Ten-Tec Equipment ; Orion565 <mailto:orion565@yahoogroups.com>

Subject: [orion565] Capacitor replacement on Orion II power distribution board

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need to replace the caps on the power distribution board?

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667-EEU-FR1H471 MFG Part No:EEU-FR1H471 Panasonic Aluminum Electrolytic Capacitors - Leaded 470uf 50WVDC 108C 3 -C6,C7,C9 $0.69ea

Thanks & 73,
Barry N1EU

10025. AGC settings

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-08 05:12:03 UTC
From: Steven Hammond
Topic: 10022 Message: 10025

I'm sure this has been asked a 100 times, but do any of you have any settings you could share on the AGC? Nothing seems really different whether I use Slow, Med, Fast, or Prog. They all have different settings. Thanks.

Steve Hammond
KY5M

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

10026. Re: [orion565] Capacitor replacement on Orion II power distribution board

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-08 10:16:52 UTC
From: Barry N1EU
Topic: 10022 Message: 10026

John, I've had it reboot while transmitting and while receiving.

I inspected the A9 board and I see no sign of bulging on any of the caps.

I think I might just replace all the A9 caps and also replace the rear
panel dc connector with either a PowerPole (pcb mount) or a short pigtail
cable soldered directly with PowerPoles on the free end.

73,
Barry N1EU

On Sat, Mar 8, 2014 at 3:21 AM, John Hudson <jd_hudson@...> wrote:

>
>
> Barry, does it reboot while transmitting or does it reboot when
> receiving? If it reboots when you transmit, check your DC connector on the
> back. Look for brownish color inside the connectors
>
>
>
> A9 board is pretty easy too
>
>
>
> Best of luck
>
>
>
> John
>
> KO4XJ
>
>
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] *On
> Behalf Of *K Van Horn
> *Sent:* Friday, March 07, 2014 5:01 PM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Capacitor replacement on Orion II power
> distribution board
>
>
>
>

>
> Hi Barry,
>
>
>
> I use the 667-EEU-FR1H471B 50VDC 470uF to replace the 3 caps on the A9
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>
>
>
> http://www.n6ie.com/A9_Fix.html shows which caps, but the cap he
> specifies is outdated, and the one above has better specs!
>
>
>
> Have fun!!
>
>
>
> Kirby
>
>
>
> *From:* Barry N1EU <barry.n1eu@...>
>
> *Sent:* Friday, 7 March, 2014 15:06
>
> *To:* Discussion of Ten-Tec Equipment <tentec@...> ; Orion565<orion565@yahoogroups.com>
>
> *Subject:* [orion565] Capacitor replacement on Orion II power
> distribution board
>
>
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> Electrolytic Capacitors - Leaded 470uf 50WVDC 108C 3 -C6,C7,C9 $0.69ea
>
> Thanks & 73,
> Barry N1EU
>
>
>

10027. RE: [orion565] Capacitor replacement on Orion II power distribution board

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-08 11:55:21 UTC
From: John Hudson
Topic: 10022 Message: 10027

Barry, I cannot remember my symptoms when I replaced the caps.. but the replacement is not hard and the board and caps are easy to get to so it does not take too long

The connector was the rebooting when tx. The female pins separate and causes some arching and it just gets worse over time, you will see it if it is. One of my biggest pet peeves I have with TT is they use a 15 cent connector on a $3500 (Orion 1) rig.. my $150 2m Yaesu has a connector you can pull a truck with J but I soldered a jumper right to the board. It’s not the easiest job but my tid bit is when you pull the board back far enough to take the on-board connector off and solder the new on, be careful of those little jumpers that’s all over the place. They can pull out with little effort. After taking mine apart and replacing the connector and buttoned everything back I went to transmit to check it out and had no output at all!!! Went back and traced it with the block diagram and figured it was the little white jumper going into the PA circuit..so everything back apart and sure enough with a slight pull it had come out..

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Saturday, March 08, 2014 4:17 AM
To: Orion565
Subject: Re: [orion565] Capacitor replacement on Orion II power distribution board

John, I've had it reboot while transmitting and while receiving.

I inspected the A9 board and I see no sign of bulging on any of the caps.

I think I might just replace all the A9 caps and also replace the rear panel dc connector with either a PowerPole (pcb mount) or a short pigtail cable soldered directly with PowerPoles on the free end.

73,

Barry N1EU

On Sat, Mar 8, 2014 at 3:21 AM, John Hudson <jd_hudson@...> wrote:

Barry, does it reboot while transmitting or does it reboot when receiving? If it reboots when you transmit, check your DC connector on the back. Look for brownish color inside the connectors

A9 board is pretty easy too

Best of luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of K Van Horn
Sent: Friday, March 07, 2014 5:01 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Capacitor replacement on Orion II power distribution board

Hi Barry,

I use the 667-EEU-FR1H471B 50VDC 470uF to replace the 3 caps on the A9 board.

http://www.n6ie.com/A9_Fix.html shows which caps, but the cap he specifies is outdated, and the one above has better specs!

Have fun!!

Kirby

From: Barry N1EU <mailto:barry.n1eu@...>

Sent: Friday, 7 March, 2014 15:06

To: Discussion of Ten-Tec Equipment <mailto:tentec@...> ; Orion565 <mailto:orion565@yahoogroups.com>

Subject: [orion565] Capacitor replacement on Orion II power distribution board

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Thanks & 73,
Barry N1EU

10028. RE: AGC settings

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-08 12:03:12 UTC
From: <pa1ap@...>
Topic: 10022 Message: 10028

Hi Steve

The agc modes are about how agc behaves during agc activity. The trigger for agc activation can be adjusted using rf gain or agc threshold. Latter will do the same as rf gain but requires more work to adjust. The common advice is to ensure agc does not activate on the undesired signal, often called band noise. If you move agc activation point above the undesired signal the audio will decline for signals below agc threshold. Obviously signals above AGC activation will be normalized to constant audio presence.

So just turn down rf gain until you hear the audio level drop a little. Than you ensure only desired signals will be loud through your speaker. For any signal above AGC threshold the AGC mode settings will make a difference.

Hope above makes sense. Enjoy the orion and don't get carried away to much on AGC....regards Onno

10029. Re: Capacitor replacement on Orion II power distribution board

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-08 14:49:49 UTC
From: Rolf Krogstad
Topic: 10022 Message: 10029

Barry,

I had rebooting problems on my O1 (565) and it turned out be a power connector issue.
The connector is soldered to the PC board and those traces can flex/break causing intermittent current flow, especially when transmitting.

73
Rolf NR0T

10030. Re: [orion565] Capacitor replacement on Orion II power distribution board

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-08 21:06:20 UTC
From: K Van Horn
Topic: 10022 Message: 10030

Barry,
Talk to John Henry BEFORE doing the powerpole mod.
Kirby

From: Barry N1EU
Sent: Saturday, 8 March, 2014 03:16
To: Orion565
Subject: Re: [orion565] Capacitor replacement on Orion II power distribution board

John, I've had it reboot while transmitting and while receiving.

I inspected the A9 board and I see no sign of bulging on any of the caps.

I think I might just replace all the A9 caps and also replace the rear panel dc connector with either a PowerPole (pcb mount) or a short pigtail cable soldered directly with PowerPoles on the free end.

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Sent: Friday, March 07, 2014 5:01 PM
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Have fun!!

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Sent: Friday, 7 March, 2014 15:06

To: Discussion of Ten-Tec Equipment ; Orion565

Subject: [orion565] Capacitor replacement on Orion II power distribution board

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Thanks & 73,
Barry N1EU

10031. RE: [orion565] RE: Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-08 22:59:37 UTC
From: Stan
Topic: 10009 Message: 10031

Steve,

My original Orion did not have the fan and I never had any problems, but I never ran more than about 25-30 watts in digital modes. My O2 has the fan but I still don't go much above 30 watts when digital.

73,

Stan, W4AG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Steven Hammond
Sent: Tuesday, March 4, 2014 11:41 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] RE: Signalink USB setup for Orion II

That did the trick. Made all sorts of QSO's on PSK31 tonight. The rig came with an optional fan that appears to bolt on to the back of the rig. Do you guys find this really necessary or only under heavy use (i.e., digital modes)? I did notice the matching P/S (TT 963) fan came on which I'm not use to (my Jetstream has a small fan but rarely comes on or is heard).

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KY5M

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73,

Stan, W4AG

From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
[mailto:orion565@yahoogroups.com] On Behalf Of Steven Hammond
Sent: Thursday, February 27, 2014 11:14 PM
To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
Subject: Re: [orion565] RE: Signalink USB setup for Orion II

Success! The module they sent with the Signalink USB was not wired properly. I checked the wiring on their website and it was for an ICOM radio. I took the module out, rewired it myself with the provided wires, and BINGO, I'm in business. At least on the RX side. It looks great. I'm still working on the TX. I noticed I have to turn the AUX GAIN up quite high, but I still don't see the meter moving though I do hear the PSK31 transmission tones. I'll keep experimenting.

Steve Hammond
KY5M

On 2/27/2014 17:45, pa1ap@... <mailto:pa1ap@...> <mailto:pa1ap@...> <mailto:pa1ap@...> wrote:

oz1pif has a modification you need to perform to get this working. a design error in 566 results in a dc voltage on the audio audio pin. this dc voltage saturates the transformer of your signalink and things will not work well. just include a capacitor to decouple the dc voltage and see if that solves the issue. hope this helps, best regards, onno

---

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10032. RE: [orion565] RE: Signalink USB setup for Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-09 00:05:40 UTC
From: John Hudson
Topic: 10009 Message: 10032

When I got my O1 many years ago, it did not have the fan but after running RTTY (w/o an amp) 1day it shut down.. It powered up right away. The next day I ordered the fan and it runs when the rig is on and it's not done that again, other than years later when I developed the bad power connector.

Also I run the SL USB on the O1 but my AUX GAIN is on 15 and works perfect

John
KO4XJ

On March 8, 2014 4:59:37 PM "Stan" <w4ag@...> wrote:
> Steve,
>
>
>
> My original Orion did not have the fan and I never had any problems, but I
> never ran more than about 25-30 watts in digital modes. My O2 has the fan
> but I still don’t go much above 30 watts when digital.
>
>
>
> 73,
>
> Stan, W4AG
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf
> Of Steven Hammond
> Sent: Tuesday, March 4, 2014 11:41 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] RE: Signalink USB setup for Orion II
>
>
>
>
>
> That did the trick. Made all sorts of QSO's on PSK31 tonight. The rig
> came with an optional fan that appears to bolt on to the back of the rig.
> Do you guys find this really necessary or only under heavy use (i.e.,
> digital modes)? I did notice the matching P/S (TT 963) fan came on which
> I'm not use to (my Jetstream has a small fan but rarely comes on or is heard).
>
> Steve Hammond
> KY5M
>

> On 3/2/2014 16:22, Stan wrote:
>
>
>
> Steve,
>
> Turn the Aux Gain level to 100 and adjust the power level with the
> Signalink TX knob. Works like a charm.
>
> 73,
>
> Stan, W4AG
>
> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> [mailto:orion565@yahoogroups.com] On Behalf Of Steven Hammond
> Sent: Thursday, February 27, 2014 11:14 PM
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com> Subject: Re:
> [orion565] RE: Signalink USB setup for Orion II
>
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> properly. I checked the wiring on their website and it was for an ICOM
> radio. I took the module out, rewired it myself with the provided wires,
> and BINGO, I'm in business. At least on the RX side. It looks great. I'm
> still working on the TX. I noticed I have to turn the AUX GAIN up quite
> high, but I still don't see the meter moving though I do hear the PSK31
> transmission tones. I'll keep experimenting.
>
> Steve Hammond
> KY5M
>
> On 2/27/2014 17:45, pa1ap@...
> <mailto:pa1ap@...> <mailto:pa1ap@...>
> <mailto:pa1ap@...> wrote:
>
> oz1pif has a modification you need to perform to get this working. a design
> error in 566 results in a dc voltage on the audio audio pin. this dc
> voltage saturates the transformer of your signalink and things will not
> work well. just include a capacitor to decouple the dc voltage and see if
> that solves the issue. hope this helps, best regards, onno
> _____
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>

10033. microHam Orion cable (4 pin mic)

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-09 14:28:52 UTC
From: <retire@...>
Topic: 10033 Message: 10033

$70 shipped CONUS. Current price at microHAM-USA is $101 shipped.

10034. Headphone problem

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-15 00:48:27 UTC
From: Steven Hammond
Topic: 10034 Message: 10034

Okay, here is the deal. I tried to used my Heil Proset Plus headset with my new O2. I plugged the mic cable in and the headphones into their jacks. No sound out of the headphone except when I transmit. Volume at 50%. RF GAIN at 70%. But I can't hear anything. Also, and this is the really STRANGE part. I hooked up my paddle into the PTT connection on the cable. When I close the key to transmit, the transmit light comes on and before I can say anything, I hear a broadcast station over the headphones? 2 guys in an interview? What gives? I notice if I use the mic on the headset I can hear them as I'm transmitting. If I plug in the REGAL mic and listen through the external speaker, no problem. Any ideas? (other than a rubber room and straight jacket - hi).

Steve Hammond
KY5M

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10035. Headphone issue

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-15 00:59:23 UTC
From: Steven Hammond
Topic: 10035 Message: 10035

Ok, I can receive with the headphones but anytime I use them to transmit whether via VOX or PTT, there is a radio station coming in over the headphones? Am I just hearing voices? Do I need to check my meds? :-)

Steve Hammond
KY5M

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10036. Re: Headphone issue

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-15 15:12:33 UTC
From: <pa1ap@...>
Topic: 10035 Message: 10036

I am no RFI expert at all but below some commentsl

I remember another report on similar broadcast pickup of an operator who resides near a broadcast station. In his case the broadcast station leaked into the setup through connected audio cables. It is worth to disconnect all cables (serial / audio / cw key) and reconnect them step by step to perform root cause analyses. This might be a tough challenge.

Do you know if the broadcast station actually travels with your signal to RF? In other words is the "interview" transmitted again? If you record a longer message on the Orion voice memory and save this to memory you can perhaps verify if this is the case?

I had RFI from my own signal since the antenna apex is not very far from my radio. I placed a small decoupling capacitor over the cw key pin to ensure this one is "grounded", same at speaker plug as well capacitor between mic negative and ground / mic positive and ground. From what I found on various websites 1nF won't harm the audio while providing sufficient capacity to short the rfi.

Furthermore double check the headset shielding as it might be connected incorrectly. Not sure if you have 565 or 566? I only know that in case you have 565 you should take care both mic negative and positive are NOT connected to shield. They are supposed to "float" within the shielded cable. Seems some headsets and microphones use the shield for mic negative which results into a ground loop vulnerable for rfi. Using an ohm meter will give you a quick confirmation on the mic connection. Furthermore the headset speakers should be connected using a stereo plug but I assume most will offer that by default. Last would be to include a ferrite clamp as close to the input plugs as possible but if shielding and connection of the mic is correct this won't make much difference in most cases.

Hope you find the issue and good way to work with your headphones :-)

Best regards, Onno pa1ap

10037. Re: [orion565] Headphone issue

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-15 16:16:02 UTC
From: W5SUM - Ronnie
Topic: 10035 Message: 10037

be sure you don't have Monitor selected

10038. RE: [orion565] Headphone problem

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-15 16:26:33 UTC
From: SV8FES-Manolo San
Topic: 10034 Message: 10038

I have the same proplem with my orion2 I used my heil PR40 with the original cable from heil.and its a lot with RFI.With the original mic from tentec 708 i have not RFI
73 de sv8fes manos

To: orion565@yahoogroups.com
From: bcf1689@...
Date: Fri, 14 Mar 2014 19:48:27 -0500
Subject: [orion565] Headphone problem

Okay, here is the deal. I tried to used my Heil Proset Plus headset

with my new O2. I plugged the mic cable in and the headphones into

their jacks. No sound out of the headphone except when I transmit.

Volume at 50%. RF GAIN at 70%. But I can't hear anything. Also, and

this is the really STRANGE part. I hooked up my paddle into the PTT

connection on the cable. When I close the key to transmit, the transmit

light comes on and before I can say anything, I hear a broadcast station

over the headphones? 2 guys in an interview? What gives? I notice if I

use the mic on the headset I can hear them as I'm transmitting. If I

plug in the REGAL mic and listen through the external speaker, no

problem. Any ideas? (other than a rubber room and straight jacket - hi).

Steve Hammond

KY5M

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10039. No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-15 16:51:45 UTC
From: <wa6iaf@...>
Topic: 10039 Message: 10039

Hi Gang,
I thought I'd post here so you guys can follow along with my progress if interested. I've so far discovered the PA only needs 4 phillips screws to be removed to get it out of the rear panel (it's easy!). Who knows, maybe documenting the work will help someone out in the future. These reports will span a bit of time (weeks?) as I only work on my O1 when I'm at my sharpest.

At first I thought it was simply the thermal switch, an 67F085, but no such luck. It's a normally open one, closes when temp rises to 85c.
Wrote the following 4 days ago, just posting it now... ... ...
No measurable RF output power with my 565 Orion I. S# 03C10273, no internal tuner installed. Rx has it's usual (stellar) performance, all is well with both receivers and menu system. Firmware version 3.032
In menu Tx is on, the transverter is off All bands set to use ant 2 which is the connector I use. Ant 2 selected for main Tx/Rx, using VFO A for both Tx and Rx. In other words I'm confident none of the menu settings are messed up and front panel ctrls are correct and the menu system is working normally.
I'm quite familiar with running the rig, have use it, usually daily, on CW for over four years now.
The rig worked fine business the night it was last in use (I hardly ever turn it off) until I finished all QSO's.
When I tried to transmit next morning the ALC LED did not light up regardless of where I have the power output set. Meter in rig does not indicate any power during Tx or tune.
-->Tried to transmit all modes on all bands into a known good Bird 50 ohm dummy load, no measurable power out but I can hear all transmitted modes fine listening to the Orion on an another Rx.
SSB, CW, FSK and AM all sound great, just like they should.

-->Another clue is when I select “transverter on” in menu, the rig then has ALC activity and power is adjustable with meter in rig deflection approx. half scale max. I am not sure how it usually behaves with a transverter because I never use one.

I powered rig on and off 3 times, boots normal, no change.
I did reset (power off, hold in main rx/tx ant 1 button then turn power switch on.), no change.
I tried both ant 1 and ant 2, no change.
I reseated all cable connectors dealing with RF in chassis, no change.
I tweaked the ALC adj trim pot near speaker as mentioned in earlier posting, no change.
I measured 14.0vdc going into the PA, which is the same voltage I have the Astron RS-70M set to that supplies power to just the Orion presently.

I have not measured amount of RF feeding into the PA, nor amount of RF on cable coming out of PA that goes to the broadband filters.

Normal power out at max setting (100) used to be 105 watts, key down on known good Bird 43 terminated into 50 ohms.

What I find odd is all was fine when I previously used the rig.
Nothing had lodged up against the key putting it on the air continuously, nor was it in tune while unattended. No antenna troubles, nothing as far as I'm aware, to cause the PA to overheat. If any of you have ideas, please let me know,
73
Paul
Wa6iaf

10040. Re: [orion565] Headphone problem

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-15 16:54:58 UTC
From: Marty Wangberg
Topic: 10034 Message: 10040

I use the Ten Tec 707 with my Orion II and no problems with RFI at all.

73, de Marty W4MBW

From: SV8FES-Manolo San <sv8fes@...>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Saturday, March 15, 2014 12:26 PM
Subject: RE: [orion565] Headphone problem

I have the same proplem with my orion2 I used my heil PR40 with the original cable from heil.and its a lot with RFI.With the original mic from tentec 708 i have not RFI73 de sv8fes manos

---
To: orion565@yahoogroups.comFrom: bcf1689@...: Fri, 14 Mar 2014 19:48:27 -0500Subject: [orion565] Headphone problem
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10041. RE: [orion565] Headphone problem

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-15 17:29:30 UTC
From: <pa1ap@...>
Topic: 10034 Message: 10041

To me it sounds like poor /wrong shielded mic connection. If the mic negative pin is connected to shield there is a high chance to have RFI detection.

Both mic negative and positive should have their own dedicated wire -within- a shielded cable. The shield should be connected to chassis of orion. I don't know the heil headsets but on the picture it looks like a simple audio cable with shield and center wire. If thats true you might want to include a decoupling capacitor between shield and center wire and pray thats enough...

One thing I did not mention yet; I have a Heil studio mic (Seems I learn by mistake) and the metal screen which protects the actual mic element is painted very nicely too.. However the same paint prevents it from being part of the "shield" and only after removing the paint between mic body and mic shield it became "one" with the shield too. It reduced RFI pickup too.

Most desktop mics (like regal / 708 etc) have indeed ensured the mic neg/pos have dedicated wires within a shielded cable. And PTT has its own wire too...

Getting very curious to this heil headset and how the actual cabling is provided? Anyone?

Best regards, Onno de pa1ap

10042. RE: [orion565] Headphone problem

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-15 19:28:35 UTC
From: <pa1ap@...>
Topic: 10034 Message: 10042

http://shure.custhelp.com/app/answers/detail/a_id/412/~/radio-interference-on-a-microphone-cable. http://shure.custhelp.com/app/answers/detail/a_id/412/~/radio-interference-on-a-microphone-cable.

Link to shure information regarding rfi detection into mic connections.

Best regards, onno

10043. Re: [orion565] No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-15 22:22:51 UTC
From: Arek Tarniowy
Topic: 10039 Message: 10043

Paul,
First check if you have 13.8v on PA board (P5).
One time I had Orion with similar problem. Problem was with Q5 transistor (bias for drives).Also check U1 chip (LM358). You can check if you have any voltage on the P6 and then on D1, and on emitters of Q5, Q6.

Arek
AC2FC

On Mar 15, 2014, at 12:51 PM, <wa6iaf@...> wrote:

> Hi Gang,
> I thought I'd post here so you guys can follow along with my progress if interested. I've so far discovered the PA only needs 4 phillips screws to be removed to get it out of the rear panel (it's easy!). Who knows, maybe documenting the work will help someone out in the future. These reports will span a bit of time (weeks?) as I only work on my O1 when I'm at my sharpest.
>
>
> At first I thought it was simply the thermal switch, an 67F085, but no such luck. It's a normally open one, closes when temp rises to 85c.
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>
> In menu Tx is on, the transverter is off All bands set to use ant 2 which is the connector I use. Ant 2 selected for main Tx/Rx, using VFO A for both Tx and Rx. In other words I'm confident none of the menu settings are messed up and front panel ctrls are correct and the menu system is working normally.
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> I'm quite familiar with running the rig, have use it, usually daily, on CW for over four years now.
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> Normal power out at max setting (100) used to be 105 watts, key down on known good Bird 43 terminated into 50 ohms.
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> What I find odd is all was fine when I previously used the rig.
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> Nothing had lodged up against the key putting it on the air continuously, nor was it in tune while unattended. No antenna troubles, nothing as far as I'm aware, to cause the PA to overheat. If any of you have ideas, please let me know,
>
> 73
>
> Paul
>
> Wa6iaf
>
>
>
>

10044. Re: [orion565] Headphone problem

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-16 00:06:37 UTC
From: Steven Hammond
Topic: 10034 Message: 10044

I agree. I plug in the REGAL mic, plug in a set of headphones and there is NO RFI. However, if I plug in the Heil pro-set plus using the 8 pin cable that came with it for my Yaesu FT-2000, I get RFI when I broadcast. I can hear a radio station. I wanted the headsets on just to adjust the mic using the monitor and not to disturb the XYL. But for now, I'll just use the REGAL mic and probably buy a separate pair of just good headphones. I may look at getting another cable from TT (the original cable came from Heil).

Steve Hammond
KY5M

On 3/15/2014 12:29, pa1ap@... wrote:
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> negative pin is connected to shield there is a high chance to have RFI
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> center wire and pray thats enough...
>
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> learn by mistake) and the metal screen which protects the actual mic
> element is painted very nicely too.. However the same paint prevents
> it from being part of the "shield" and only after removing the paint
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> It reduced RFI pickup too.
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> Getting very curious to this heil headset and how the actual cabling
> is provided? Anyone?
>
> Best regards, Onno de pa1ap
>
>

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10045. RE: [orion565] Headphone problem

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-16 00:31:42 UTC
From: John Hudson
Topic: 10034 Message: 10045

Maybe I missed it Steve.. Can you use the Regal and just the headphones from the Heil, without plugging in the mic plug? Just a couple of weeks or so ago I had a slight RFI issue with my Pro Set Plus (which will be 10 years old this June). I use that setup 100% of the time for SSB and the headphone almost 100% whenever I'm on the air. I switched to the Studio One mic and used it for a week with the headphones. I have a O1 which is 4 pin and I thought I may have lost a ground on the mic connector so I hard wired a separate ground and that made it worse. I opened up the mic jack on the adapter to see it had come apart and nothing. So I put the Pro Set back on the rig after 2 weeks off and now it works fine. The only other thing I have done is a battery reset.. I have some type of issue with this radio and I do a battery reset often so that's nothing new for me but that's the only thing I may have done to change anything.. not to say it fixed it but you may give it a try.. what will it hurt other than having to set it back up again.

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Steven Hammond
Sent: Saturday, March 15, 2014 7:07 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Headphone problem

I agree. I plug in the REGAL mic, plug in a set of headphones and there is NO RFI. However, if I plug in the Heil pro-set plus using the 8 pin cable that came with it for my Yaesu FT-2000, I get RFI when I broadcast. I can hear a radio station. I wanted the headsets on just to adjust the mic using the monitor and not to disturb the XYL. But for now, I'll just use the REGAL mic and probably buy a separate pair of just good headphones. I may look at getting another cable from TT (the original cable came from Heil).

Steve Hammond
KY5M

On 3/15/2014 12:29, pa1ap@... wrote:

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Best regards, Onno de pa1ap

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10046. watt/swr meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-17 16:45:44 UTC
From: Steven Hammond
Topic: 10046 Message: 10046

Any advice on a GOOD swr wattmeter? What I’m looking for is something with a larger display. And it would be nice if it went down to QRP levels all the way to legal limit (just in case I buy an amp someday).

Steve Hammond
KY5M

10047. RE: [orion565] watt/swr meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-17 19:00:45 UTC
From: Andrew B. Steen
Topic: 10046 Message: 10047

Hi Steve.

If you want accuracy, and it is for the home station, I would go with the LP-100A (telepost.com). Not cheap, but very accurate, and it will go up or down to whatever power you send through it. It also has some very useful antenna programs. Check it out at the above.

73,

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Steven Hammond
Sent: Monday, March 17, 2014 9:46 AM
To: orion565@yahoogroups.com
Subject: [orion565] watt/swr meter

Any advice on a GOOD swr wattmeter? What I'm looking for is something with a larger display. And it would be nice if it went down to QRP levels all the way to legal limit (just in case I buy an amp someday).

Steve Hammond

KY5M

10048. Re: [orion565] watt/swr meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-17 19:47:37 UTC
From: N9ETD@...
Topic: 10046 Message: 10048

I agree with Andrew. It's a little more expensive, but the LP-100A does alot of things well, and it will be able to grow with you and your station. I've had one for 5 yrs or more, and I love it.

73, Craig N9ETD

10049. RE: [orion565] watt/swr meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-17 20:39:55 UTC
From: Rick Gentz
Topic: 10046 Message: 10049

Take a look at the Diamond SX100. 30/300/3kw ranges Mine is going on 10 years old and works great.

Rick
WB0NPM

To: orion565@yahoogroups.com
From: N9ETD@...
Date: Mon, 17 Mar 2014 15:47:37 -0400
Subject: Re: [orion565] watt/swr meter

I agree with Andrew. It's a little more expensive, but the LP-100A
does alot of things well, and it will be able to grow with you and your station.
I've had one for 5 yrs or more, and I love it.

73, Craig N9ETD

10050. Re: [orion565] watt/swr meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-17 22:54:21 UTC
From: Marty Wangberg
Topic: 10046 Message: 10050

Steve,

I have one that MFJ makes....has three ranges from 20W to 2KW...large display....peak/average power setting too.

73, de Marty W4MBW

From: Steven Hammond <bcf1689@...>
To: orion565@yahoogroups.com
Sent: Monday, March 17, 2014 12:45 PM
Subject: [orion565] watt/swr meter

Any advice on a GOOD swr wattmeter? What I'm looking for is something with a larger display. And it would be nice if it went down to QRP levels all the way to legal limit (just in case I buy an amp someday).

Steve Hammond
KY5M

10051. Re: [orion565] watt/swr meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-17 23:12:55 UTC
From: N9ETD@...
Topic: 10046 Message: 10051

I own the cross needle styles, and they do work well at a lower cost.
However, once I bought a digital wattmeter (the LP-100A) I never realized how
it follows and reads the peak power with a greater degree of acuracy than
the analog peak reading types.

73, Craig N9ETD

10052. Re: [orion565] watt/swr meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-18 00:16:46 UTC
From: Paul K.
Topic: 10046 Message: 10052

Yep! Your right. I'm still using the Radio Shack digital I bought
years ago for exactly the same reason.

Good luck DXing

TNX es 73 de WA0BAG
Paul K. WA0BAG
On 3/17/2014 7:12 PM, N9ETD@... wrote:
>
> I own the cross needle styles, and they do work well at a lower cost.
> However, once I bought a digital wattmeter (the LP-100A) I never
> realized how it follows and reads the peak power with a greater degree
> of acuracy than the analog peak reading types.
> 73, Craig N9ETD
>

10053. RE: [orion565] watt/swr meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-18 01:43:07 UTC
From: Ralph Matthews
Topic: 10046 Message: 10053

I have the LP 100A and it works very well. It is indeed more expensive, but is extremely accurate, especially when looking at periodic peaks. I won't part with it. It has been in service now for 3 years and not one problem. The unit will do much more than just being a "wattmeter." It functions in some ways as an antenna analyzer. More bucks for sure, but IMHO, worth it.

Ralph, NA6D

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of N9ETD@...
Sent: Monday, March 17, 2014 12:48 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] watt/swr meter

I agree with Andrew. It's a little more expensive, but the LP-100A does alot of things well, and it will be able to grow with you and your station. I've had one for 5 yrs or more, and I love it.

73, Craig N9ETD

10054. Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-18 20:20:26 UTC
From: <wa6iaf@...>
Topic: 10039 Message: 10054

Arek,
Thank you for your reply!
I had time to take some voltage measurements on my O1 just now.
Using a known to be in spec Fluke 75.
14vdc at P5 going in to A2 board.
Zero voltage at P6
Zero voltage on D1.
Should P6 have voltage on it supplied from J6 on the A1 BPF board?
There is 14 vdc on emitters of Q5 and Q6.
73
Paul

10055. RE: [orion565] watt/swr meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-21 15:40:25 UTC
From: <k1fpv@...>
Topic: 10046 Message: 10055

I completely agree with you Ralph! I own an LP-100A and love it. About a year ago, I bought the Ten-Tec 1225 SWR/Wattmeter kit, and when I was done building and calibrating it, the accuracy compared to the LP-100A wasn't that bad but could use a touch-up. I then used the LP-100A to re-calibrate it and WOW....that Ten-Tec meter kit is now tough to beat for the price. It is pretty much dead-on! I mostly use it with my Argonaut VI and 418 amp.

Bill
K1FPV

10056. RE: [orion565] watt/swr meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-21 16:11:52 UTC
From: Duane Calvin
Topic: 10046 Message: 10056

Just to provide a “wild hair” here, I’ve been using the “Power Master” from WX0B Array Solutions for the last several years. Terrific power/SWR meter with a bar-graph display making it easy to tune for low SWR, if that is what is needed.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k1fpv@...
Sent: Friday, March 21, 2014 10:40 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] watt/swr meter

I completely agree with you Ralph! I own an LP-100A and love it. About a year ago, I bought the Ten-Tec 1225 SWR/Wattmeter kit, and when I was done building and calibrating it, the accuracy compared to the LP-100A wasn't that bad but could use a touch-up. I then used the LP-100A to re-calibrate it and WOW....that Ten-Tec meter kit is now tough to beat for the price. It is pretty much dead-on! I mostly use it with my Argonaut VI and 418 amp.

Bill
K1FPV

[Non-text portions of this message have been removed]

10057. Re: [orion565] watt/swr meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-21 16:20:49 UTC
From: K7FD
Topic: 10046 Message: 10057

The Easter Bunny says he prefers wild hare...unless you actually have wild hair ;)

John K7FD

> On Mar 21, 2014, at 9:11 AM, "Duane Calvin" <ac5aa1@gmail.com> wrote:
>
> Just to provide a “wild hair” here, I’ve been using the “Power Master” from WX0B Array Solutions for the last several years. Terrific power/SWR meter with a bar-graph display making it easy to tune for low SWR, if that is what is needed.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com <http://www.ac5aa.com/>
>
> <http://www.centraltexasbluegrass.org/join.html> ctba_gr
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of k1fpv@...
> Sent: Friday, March 21, 2014 10:40 AM
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] watt/swr meter
>
> I completely agree with you Ralph! I own an LP-100A and love it. About a year ago, I bought the Ten-Tec 1225 SWR/Wattmeter kit, and when I was done building and calibrating it, the accuracy compared to the LP-100A wasn't that bad but could use a touch-up. I then used the LP-100A to re-calibrate it and WOW....that Ten-Tec meter kit is now tough to beat for the price. It is pretty much dead-on! I mostly use it with my Argonaut VI and 418 amp.
>
> Bill
> K1FPV
>
> [Non-text portions of this message have been removed]
>
>

10058. re; RX366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-21 18:39:19 UTC
From: <n4ek@...>
Topic: 10058 Message: 10058

I recently installed the Orion RX366 sub receiver in my Orion II. It works great. today listening to WWV on 15 mhz. I decided to see how far above 15mhz it would tune. I found it goes from 105 khz. to 29.995 mhz. According to the specs this is a ham band only receiver. did they change something and not update the manual?
N4EK

10059. Re: [orion565] re; RX366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-21 19:37:32 UTC
From: Tony Sokol
Topic: 10058 Message: 10059

I think I had read some posts way back where someone had said that they could receive the general coverage spectrum with the new board. I wonder if it has to do with the software version being used. If It would cover the general coverage spectrum like the original sub receiver I would install the RX366 in a heartbeat. That also tells you that I will be keeping my Orion II for a long time unless they introduce an Orion III or maybe an Omni VIII with the Orion's screen and improved panadapter. I am lucky enough to own both now (Orion II and Omni VII) and love 'em both!

Tony - W9JXN

On 3/21/2014 1:39 PM, n4ek@... wrote:
>
> I recently installed the Orion RX366 sub receiver in my Orion II. It
> works great. today listening to WWV on 15 mhz. I decided to see how
> far above 15mhz it would tune. I found it goes from 105 khz. to 29.995
> mhz. According to the specs this is a ham band only receiver. did they
> change something and not update the manual?
> N4EK
>
>

10060. Re: re; RX366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-21 20:47:56 UTC
From: <jhenry@...>
Topic: 10058 Message: 10060

Unfortunately, we have not updated the Orion or Orion II manual in quite some time. Need to get that done, when time permits unfortunately.
Regarding your finding, The main receiver has been ham band only, but the sub receiver (even before the RX-366 was thought of) has been a general coverage receiver. I'd have to check the manual to see if it agrees, but in the software, the sub-receiver goes anywhere (almost).
Some others may chime in if version 1 firmware operated differently, but I don't think it did, main - ham band only, sub - general coverage receive.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

10061. Re: [orion565] Re: re; RX366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-21 21:33:25 UTC
From: catfishtwo@...
Topic: 10058 Message: 10061

that rings a bell, I think the second receiver is a general; coverage and I just fired up my original Orion and the second vfo goes from .200 continuous to 29.900 tom n 6ajr

In a message dated 3/21/2014 1:47:59 P.M. Pacific Daylight Time, jhenry@... writes:

Unfortunately, we have not updated the Orion or Orion II manual in quite some time. Need to get that done, when time permits unfortunately.
Regarding your finding, The main receiver has been ham band only, but the sub receiver (even before the RX-366 was thought of) has been a general coverage receiver. I'd have to check the manual to see if it agrees, but in the software, the sub-receiver goes anywhere (almost).
Some others may chime in if version 1 firmware operated differently, but I don't think it did, main - ham band only, sub - general coverage receive.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

10062. Re: [orion565] Re: re; RX366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-22 00:02:55 UTC
From: Barry N1EU
Topic: 10058 Message: 10062

Yes, the RX366 is general coverage but as far as I know there is no
bandpass filtering outside the ham bands and the AM BCB reception is
attenuated due to a filter.

73, Barry N1EU

On Fri, Mar 21, 2014 at 9:33 PM, <catfishtwo@...> wrote:

>
>
> that rings a bell, I think the second receiver is a general; coverage
> and I just fired up my original Orion and the second vfo goes from .200
> continuous to 29.900 tom n 6ajr
>
> In a message dated 3/21/2014 1:47:59 P.M. Pacific Daylight Time,
> jhenry@... writes:
>
>
>
> Unfortunately, we have not updated the Orion or Orion II manual in quite
> some time. Need to get that done, when time permits unfortunately.
>
> Regarding your finding, The main receiver has been ham band only, but the
> sub receiver (even before the RX-366 was thought of) has been a general
> coverage receiver. I'd have to check the manual to see if it agrees, but in
> the software, the sub-receiver goes anywhere (almost).
>
> Some others may chime in if version 1 firmware operated differently, but I
> don't think it did, main - ham band only, sub - general coverage receive.
>
>
> Thanks, and 73,
>
> John Henry, KI4JPL
>
> TEN-TEC Engineering
>
>
>
>

10063. Re: [orion565] Re: re; RX366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-22 14:44:14 UTC
From: <tonysokol@...>
Topic: 10058 Message: 10063

Are the optional filters switched out or bypassed outside of the ham bands? ?That doesn't make sense.?

Tony - W9JXN

-- Sent from my HP TouchPad
On 21/03/2014 7:02 PM, Barry N1EU wrote:
?

Yes, the RX366 is general coverage but as far as I know there is no bandpass filtering outside the ham bands and the AM BCB reception is attenuated due to a filter.?

73, Barry N1EU

On Fri, Mar 21, 2014 at 9:33 PM, <catfishtwo@...> wrote:

?

that rings a bell, I think the second receiver is a general; coverage and I just fired up my original Orion and the second vfo goes from .200 continuous to 29.900?? tom n 6ajr

?

In a message dated 3/21/2014 1:47:59 P.M. Pacific Daylight Time, jhenry@... writes:

Unfortunately, we have not updated the Orion or Orion II manual in quite some time. Need to get that done, when time permits unfortunately.

Regarding your finding, The main receiver has been ham band only, but the sub receiver (even before the RX-366 was thought of) has been a general coverage receiver. I'd have to check the manual to see if it agrees, but in the software, the sub-receiver goes anywhere (almost).

Some others may chime in if version 1 firmware operated differently, but I don't think it did, main - ham band only, sub - general coverage receive.

Thanks, and 73,

John Henry, KI4JPL

TEN-TEC Engineering

10064. Re: [orion565] Re: re; RX366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-22 17:44:36 UTC
From: Barry N1EU
Topic: 10058 Message: 10064

Not optional (roofing) filters - BANDPASS filters.

Barry N1EU

On Sat, Mar 22, 2014 at 2:44 PM, <tonysokol@...> wrote:

>
>
> Are the optional filters switched out or bypassed outside of the ham
> bands? That doesn't make sense.
>
> Tony - W9JXN
>
>
> -- Sent from my HP TouchPad
> ------------------------------
> On 21/03/2014 7:02 PM, Barry N1EU <barry.n1eu@gmail.com> wrote:
>
>
> Yes, the RX366 is general coverage but as far as I know there is no
> bandpass filtering outside the ham bands and the AM BCB reception is
> attenuated due to a filter.
>
> 73, Barry N1EU
>
>
>
> On Fri, Mar 21, 2014 at 9:33 PM, <catfishtwo@...> wrote:
>
>>
>>
>> that rings a bell, I think the second receiver is a general; coverage
>> and I just fired up my original Orion and the second vfo goes from .200
>> continuous to 29.900 tom n 6ajr
>>
>> In a message dated 3/21/2014 1:47:59 P.M. Pacific Daylight Time,
>> jhenry@... writes:
>>
>>
>>
>> Unfortunately, we have not updated the Orion or Orion II manual in quite
>> some time. Need to get that done, when time permits unfortunately.
>>
>> Regarding your finding, The main receiver has been ham band only, but the
>> sub receiver (even before the RX-366 was thought of) has been a general
>> coverage receiver. I'd have to check the manual to see if it agrees, but in

>> the software, the sub-receiver goes anywhere (almost).
>>
>> Some others may chime in if version 1 firmware operated differently, but
>> I don't think it did, main - ham band only, sub - general coverage receive.
>>
>>
>> Thanks, and 73,
>>
>> John Henry, KI4JPL
>>
>> TEN-TEC Engineering
>>
>>
>>
>
>

10065. RX366

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-22 19:38:26 UTC
From: Tony Sokol
Topic: 7546 Message: 10065

Here is a good description of the RX366 operation:
http://lists.contesting.com/_tentec/2011-12/msg00013.html

Tony - W9JXN

Sent from my iPhone

10066. Re: [orion565] re; RX366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-22 21:05:59 UTC
From: K Van Horn
Topic: 10058 Message: 10066

The RX-366 will not receive broadcast satisfactorily due to a filter in its design to protect the receiver from high power am broadcast stations. If you live in the boonies like I do, the am broadcast filter can be removed by Ten Tec and then it is the best am broadcast receiver ever as it has a really good preamplifier that most am broadcast receivers do not have. The preamp allows access to Winnipeg CBC-1 990 AM where other quality receivers that I use do not receive it as well. This is probably related to my ham antenna being used!!
73,
Kirby, K7EC

From: n4ek@...
Sent: Friday, 21 March, 2014 12:39
To: orion565@yahoogroups.com
Subject: [orion565] re; RX366 Receiver

I recently installed the Orion RX366 sub receiver in my Orion II. It works great. today listening to WWV on 15 mhz. I decided to see how far above 15mhz it would tune. I found it goes from 105 khz. to 29.995 mhz. According to the specs this is a ham band only receiver. did they change something and not update the manual?
N4EK

10067. Re: [orion565] Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-23 13:25:35 UTC
From: Arek Tarniowy
Topic: 10039 Message: 10067

Paul,
Sorry for my late respond.
Is the 14v DC on emitters of Q5 and Q6? Or you mean Collectors? Do you see any voltage on base of those transistors?

Arek
AC2FC

Sent from my iPhone

On Mar 18, 2014, at 4:20 PM, <wa6iaf@gmail.com> wrote:

> Arek,
> Thank you for your reply!
> I had time to take some voltage measurements on my O1 just now.
> Using a known to be in spec Fluke 75.
> 14vdc at P5 going in to A2 board.
> Zero voltage at P6
> Zero voltage on D1.
> Should P6 have voltage on it supplied from J6 on the A1 BPF board?
> There is 14 vdc on emitters of Q5 and Q6.
> 73
> Paul
>
>

10068. Orion 2 SSB Filter Adj?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-25 19:31:57 UTC
From: John Huffman
Topic: 10068 Message: 10068

All -

I have a question on my Orion 2 - 566.

There seems to be a receive filter shift between an SSB bandwidth of 2.4 kHz and less and 2.410 kHz and more. This happens on both upper and lower sideband.

At 2.4 kHz the sound of SSB signals has more bass. At 2.410 kHz and higher there is less bass. I can get the bandwidths of 2.410 and higher to sound the same as the lower bandwidths by adjusting the Pass Band Tuning to - 200 hz.

Is there a filter in the receive path at 2.4kHz? Can it, or the next wider filter, be tuned or adjusted?

I have never experienced this on my Orion (1) - 565.

73 de K1ESE
John

10069. Re: Orion 2 SSB Filter Adj?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-25 19:41:29 UTC
From: <cherokeehillfarm@...>
Topic: 10068 Message: 10069

Your roofing filter may be automatically changing at 2.4 kHz. You can turn off the automatic filter bandwidth change in the menu. This may alter what you are hearing Mike W2AJI

10070. Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-25 20:06:29 UTC
From: <wa6iaf@...>
Topic: 10039 Message: 10070

Arek,
No problem at all with the time your reply took. You're right, 13.6 v is on collectors.
Q5- rig is in Rx: Q5 rig is in Tx
B 0.0v B 1.45v
C 13.6v C 13.6v
E 1.45v E 0.8v

Q6 rig in Rx Q6 rig in Tx
B 0.0v B 1.36v
C 13.6v C 13.6v
E 0.13v E 0.2v

-->J6 to P6 in PA has 0.0vdc Rx and 7.8vdc Tx, that looks good, but:
U1 Rx U1 Tx
pin 1 0.0v 0.02v
pin 2 1.4v 1.4v
pin 3 0.11v 0.8v
pin 4 0v 0.02v
pin 5 0.11v 0.8v
pin 6 0.11v 0.18v
pin 7 0.66v 1.4v
pin 8 13.6v 13.4v
Hardly any change on Pin 1, output A of U1, from Rx to Tx.
Also not much change on Pin 7, output B of U1, from Rx to Tx.
Is U1 pin 1 used to bias drivers Q1 and Q2 ?
Is U1 pin 7 used to bias finals Q3 and Q4 ?
Should I try replacing U1 the LM358 and see what happens?
I hope the columns line up when I post this!
73
Paul

10071. Re: [orion565] Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-26 01:33:30 UTC
From: Arek Tarniowy
Topic: 10039 Message: 10071

Paul,
Something is not correct.
Pin 1 (U1A) is going to base of Q5. You said that pin1 have 0.02v (tx) and Q5 have 1.45v. Witch one is correct?
Did you check the current on driver transistors and current on power transistors?You can do that by connecting miliamp meter between T2 and power line14v -for drivers and between T4 and power line 14v - finals.Look on the schematic for details.Also do you see any change (voltage) on the emiters of Q5 and Q6 when you try to move the bias potentiometers?Did you also check Q5 and Q6 transistors (diode test on multimeter)?

Thanks
Arek AC2FC

On Mar 25, 2014, at 4:06 PM, <wa6iaf@...> wrote:

> Arek,
> No problem at all with the time your reply took. You're right, 13.6 v is on collectors.
> Q5- rig is in Rx: Q5 rig is in Tx
> B 0.0v B 1.45v
> C 13.6v C 13.6v
> E 1.45v E 0.8v
>
> Q6 rig in Rx Q6 rig in Tx
> B 0.0v B 1.36v
> C 13.6v C 13.6v
> E 0.13v E 0.2v
>
> -->J6 to P6 in PA has 0.0vdc Rx and 7.8vdc Tx, that looks good, but:
> U1 Rx U1 Tx
> pin 1 0.0v 0.02v
> pin 2 1.4v 1.4v
> pin 3 0.11v 0.8v
> pin 4 0v 0.02v
> pin 5 0.11v 0.8v
> pin 6 0.11v 0.18v
> pin 7 0.66v 1.4v
> pin 8 13.6v 13.4v
> Hardly any change on Pin 1, output A of U1, from Rx to Tx.
> Also not much change on Pin 7, output B of U1, from Rx to Tx.
> Is U1 pin 1 used to bias drivers Q1 and Q2 ?
> Is U1 pin 7 used to bias finals Q3 and Q4 ?
> Should I try replacing U1 the LM358 and see what happens?
> I hope the columns line up when I post this!
> 73
> Paul
>

>

10072. Re: [orion565] Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-26 16:43:03 UTC
From: <wa6iaf@...>
Topic: 10039 Message: 10072

Arek,
I'll remeasure pin 1 (U1 a) and Q5 base soon. Maybe remeasure all both Tx and Rx to double check. First, in a couple days, I'll lift two legs of Q5 and Q6 then measure with DMM diode check. If one of the transistors are bad then perhaps no need to take additional measurements. Can't get to this right away as other things in life eating much time right now. Good thought about adjusting the Bias pots and watching what happens (if anything) to bias voltage on drivers and finals.
Thank you, I'll get back to you fairly soon with results.
73
Paul

10073. RE: [orion565] Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-26 17:13:09 UTC
From: Bill Sepulveda
Topic: 10039 Message: 10073

Hi Paul,

Please don’t take this the wrong way because I have not seek this mentioned in any of the emails.

Have you pushed the “Menus” button on the top right of the buttons on the right of the display, and checked the second menu item “Transmitter” to see if it is on or off?

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of wa6iaf@gmail.com
Sent: Wednesday, March 26, 2014 11:43 AM
To: orion565@...m
Subject: Re: [orion565] Re: No RF Out O1 565

Arek,
I'll remeasure pin 1 (U1 a) and Q5 base soon. Maybe remeasure all both Tx and Rx to double check. First, in a couple days, I'll lift two legs of Q5 and Q6 then measure with DMM diode check. If one of the transistors are bad then perhaps no need to take additional measurements. Can't get to this right away as other things in life eating much time right now. Good thought about adjusting the Bias pots and watching what happens (if anything) to bias voltage on drivers and finals.
Thank you, I'll get back to you fairly soon with results.
73
Paul

[Non-text portions of this message have been removed]

10074. Re: Orion 2 SSB Filter Adj?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-26 18:57:14 UTC
From: <pa1ap@...>
Topic: 10068 Message: 10074

If you use remote control there is a chance you have enabled notch while it is not shown on the orion. You could switch notch on/off to make sure. This used to be a bug and perhaps it slipped in?

Best regards, Onno

10075. Re: [orion565] Re: Orion 2 SSB Filter Adj?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-26 19:58:51 UTC
From: John Huffman
Topic: 10068 Message: 10075

Onno, Barry -

I bought this second had and suspect maybe some of the filters are
installed backward. But, I can't get to working on it until I finish
nanother project. Could backward filters account for the problem? I
guess I will see when I get it open. I didn't have NB, NR, SAF, or AN
engaged. I did have headphones in parallel and didn't check the RX EQ.
I will run another sample once I get the other project done in a day or two.

Thanks both for all your help. I'll be back....

73 de K1ESE
John

On 3/26/2014 2:57 PM, pa1ap@... wrote:
>
> If you use remote control there is a chance you have enabled notch
> while it is not shown on the orion. You could switch notch on/off to
> make sure. This used to be a bug and perhaps it slipped in?
>
> Best regards, Onno
>
>

10076. Re: [orion565] Re: Orion 2 SSB Filter Adj?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-26 20:06:35 UTC
From: Barry N1EU
Topic: 10068 Message: 10076

The 2400hz and 6000hz filters are the two active filters in your two plots
and they are both soldered in at the factory. It's something else.

Barry N1EU

On Wed, Mar 26, 2014 at 7:58 PM, John Huffman <hjohnc@...> wrote:

>
>
> Onno, Barry -
>
> I bought this second had and suspect maybe some of the filters are
> installed backward. But, I can't get to working on it until I finish
> nanother project. Could backward filters account for the problem? I guess
> I will see when I get it open. I didn't have NB, NR, SAF, or AN engaged.
> I did have headphones in parallel and didn't check the RX EQ. I will run
> another sample once I get the other project done in a day or two.
>
> Thanks both for all your help. I'll be back....
>
> 73 de K1ESE
> John
>
>
>
> On 3/26/2014 2:57 PM, pa1ap@... wrote:
>
>
>
> If you use remote control there is a chance you have enabled notch while
> it is not shown on the orion. You could switch notch on/off to make sure.
> This used to be a bug and perhaps it slipped in?
>
> Best regards, Onno
>
>
>
>

10077. Re: [orion565] Re: Orion 2 SSB Filter Adj?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-26 20:53:20 UTC
From: John Huffman
Topic: 10068 Message: 10077

So much for easy answers....

:-)

73 de K1ESE
John

On 3/26/2014 4:06 PM, Barry N1EU wrote:
> The 2400hz and 6000hz filters are the two active filters in your two
> plots and they are both soldered in at the factory. It's something else.

10078. Re: [orion565] Re: Orion 2 SSB Filter Adj?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-26 23:00:00 UTC
From: Barry N1EU
Topic: 10068 Message: 10078

If I didn't know better, I'd say that you have notch filters active in both cases and you have a 1.8KHz filter in the 2.4KHz filter slot. That would completely explain all the seen anomalies.

73, Barry N1EU

On Wed, Mar 26, 2014 at 8:53 PM, John Huffman <hjohnc@...> wrote:

>
>
> So much for easy answers....
>
> :-)
>
> 73 de K1ESE
> John
>
>
> On 3/26/2014 4:06 PM, Barry N1EU wrote:
> > The 2400hz and 6000hz filters are the two active filters in your two
> > plots and they are both soldered in at the factory. It's something else.
>
>
>

10079. Re: [orion565] Re: Orion 2 SSB Filter Adj?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-27 10:10:46 UTC
From: John Huffman
Topic: 10068 Message: 10079

Barry -

I will pull the Orion in the next couple of days to look at the filters.

Attached are two more sound files. Orion2 direct to sound card with no other headphones, RX EQ at zero, NB, NR, Notch, AN are all off. Speakers all set to Main. BinRX off.

On 3/26/2014 7:00 PM, Barry N1EU wrote:
> If I didn't know better, I'd say that you have notch filters active in
> both cases and you have a 1.8KHz filter in the 2.4KHz filter slot.
> That would completely explain all the seen anomalies.
>
> 73, Barry N1EU
>
>
> On Wed, Mar 26, 2014 at 8:53 PM, John Huffman <hjohnc@...
> <mailto:hjohnc@...>> wrote:
>
> So much for easy answers....
>
> :-)
>
> 73 de K1ESE
> John
>
>
>
> On 3/26/2014 4:06 PM, Barry N1EU wrote:
> > The 2400hz and 6000hz filters are the two active filters in your
> two
> > plots and they are both soldered in at the factory. It's
> something else.
>
>

[Non-text portions of this message have been removed]

10080. Re: [orion565] Re: Orion 2 SSB Filter Adj?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-27 12:41:54 UTC
From: Barry N1EU
Topic: 10068 Message: 10080

Your audio is now essentially identical to mine. What exactly did you change to eliminate those anomalies in the spectrum? I'm sure we'd all like to know.

73,
Barry N1EU

On Thu, Mar 27, 2014 at 10:10 AM, John Huffman <hjohnc@...> wrote:

>
>
> Barry -
>
> I will pull the Orion in the next couple of days to look at the filters.
>
> Attached are two more sound files. Orion2 direct to sound card with no
> other headphones, RX EQ at zero, NB, NR, Notch, AN are all off. Speakers
> all set to Main. BinRX off.
>
>
> On 3/26/2014 7:00 PM, Barry N1EU wrote:
> > If I didn't know better, I'd say that you have notch filters active in
> > both cases and you have a 1.8KHz filter in the 2.4KHz filter slot.
> > That would completely explain all the seen anomalies.
> >
> > 73, Barry N1EU
> >
> >
> > On Wed, Mar 26, 2014 at 8:53 PM, John Huffman <hjohnc@...
> > <mailto:hjohnc@...>> wrote:
> >
> > So much for easy answers....
> >
> > :-)
> >
> > 73 de K1ESE
> > John
> >
> >
> >
> > On 3/26/2014 4:06 PM, Barry N1EU wrote:
> > > The 2400hz and 6000hz filters are the two active filters in your
> > two
> > > plots and they are both soldered in at the factory. It's
> > something else.
> >

> >
>
> [Non-text portions of this message have been removed]
>
>
>

10081. Re: [orion565] Re: Orion 2 SSB Filter Adj?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-27 13:32:53 UTC
From: John Huffman
Topic: 10068 Message: 10081

Barry -

Maybe my files got mixed up. I can still hear a difference ear. I will try again.

73 de K1ESE
John

On 3/27/2014 8:41 AM, Barry N1EU wrote:
> Your audio is now essentially identical to mine. What exactly did you
> change to eliminate those anomalies in the spectrum? I'm sure we'd
> all like to know.
>
> 73,
> Barry N1EU
>
>

10082. RE: [orion565] Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-27 18:54:42 UTC
From: <wa6iaf@...>
Topic: 10039 Message: 10082

Hi Bill,
Yup, sure did. Thanks for suggestion, I don't mind at all, just the opposite in fact. It would be great if it was a "cockpit problem"!!
73
Paul

10083. Orion II 566AT For Sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-27 18:59:48 UTC
From: Richard Cash
Topic: 10039 Message: 10083

I have an Orion II for sale. If interested, please contact off list.
w4wu71@...
Thanks
Dick W4WU

10084. Re: [orion565] Re: Orion 2 SSB Filter Adj?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-03-27 19:46:05 UTC
From: John Huffman
Topic: 10068 Message: 10084

Barry -

I got a chance to open up the Orion 2. I believe I have found the issue. Can't test it until I get the other project off the bench, but unless I come back to say otherwise, the problem is solved.

The Ten Tec Orion 2 manual says -
"Look at the bottom of the optional filter. Two pins are soldered to the filter case, two pins are ‘open’. If you are facing the front of the transceiver and holding the filter, the grounded pins that are soldered to the filter case should be closest to you and the front of the radio; the two ungrounded pins should be furthest away from you towards the back of the radio"

All of the filters in my radio were in backwards. They were positioned so that when facing the front of the radio, all the writing on the filters was right side up. The correct position is upside down.

Thanks for all your help along the way. Plus, I learned a lot about spectrogram programs :-)

73 de K1ESE
John

On 3/27/2014 8:41 AM, Barry N1EU wrote:
> Your audio is now essentially identical to mine. What exactly did you
> change to eliminate those anomalies in the spectrum? I'm sure we'd
> all like to know.
>
> 73,
> Barry N1EU
>

10085. Signal Meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-05 20:13:30 UTC
From: Paul Mitchell
Topic: 10085 Message: 10085

I am a first time user of an Orion II and the firmware is 18months old. Version 3.029. I presently do not have anyway of updating as I run Apple hardware at home and do not have any Windows PCs. The iMac is also eight years old, 32 bit.

My question is that when adjusting the RF gain down to say 50 the signal meter rises to +20. It does fluctuate with some strong signals so it is working. Is this an Orion thing? I hope I am adjusting the RF Gain properly. NB = 3 NR = 5 I adjust the RF gain down so there is no hiss and increase the AF Gain till hiss is barely detectable. Is this correct. I have never owned a Ten Tec HF transceiver and hope I am setting it up correctly.

Please be gentle.

Kind regards,

Paul VK3TPM.

10086. RE: [orion565] Signal Meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-05 22:03:20 UTC
From: Andrew B. Steen
Topic: 10085 Message: 10086

Hi Paul.

One of the later firmware upgrades (I don't remember which one), allowed one to reduce the RF gain without changing the S-meter reading. It also allows one to calibrate the S-meter.

I too, like to reduce the RF gain, and increase the Audio vs using the attenuator.

Maybe a friend with a PC can download the latest firmware for you (or better yet, loan you a PC laptop). The later firmware upgrades really enhance the features of the OII.

Good luck.

73,

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] On Behalf Of Paul Mitchell
Sent: Saturday, April 05, 2014 1:14 PM
To: orion565@yahoogroups.com
Subject: [orion565] Signal Meter

I am a first time user of an Orion II and the firmware is 18months old. Version 3.029. I presently do not have anyway of updating as I run Apple hardware at home and do not have any Windows PCs. The iMac is also eight years old, 32 bit.

My question is that when adjusting the RF gain down to say 50 the signal meter rises to +20. It does fluctuate with some strong signals so it is working. Is this an Orion thing? I hope I am adjusting the RF Gain properly. NB = 3 NR = 5 I adjust the RF gain down so there is no hiss and increase the AF Gain till hiss is barely detectable. Is this correct. I have never owned a Ten Tec HF transceiver and hope I am setting it up correctly.

Please be gentle.

Kind regards,

Paul VK3TPM.

10087. Re: [orion565] Signal Meter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-05 22:06:44 UTC
From: Barry N1EU
Topic: 10085 Message: 10087

On Sat, Apr 5, 2014 at 8:13 PM, Paul Mitchell <vk3tpm@...> wrote:

>
>
> I am a first time user of an Orion II and the firmware is 18months old.
> Version 3.029. I presently do not have anyway of updating as I run Apple
> hardware at home and do not have any Windows PCs. The iMac is also eight
> years old, 32 bit.
>
> My question is that when adjusting the RF gain down to say 50 the signal
> meter rises to +20. It does fluctuate with some strong signals so it is
> working. Is this an Orion thing?
>

Congrats on the new radio Paul and yes, you really should arrange somehow
to get the latest firmware installed for your Orion II.

I recommend reading this posting about Orion gain setting:
http://www.tentecwiki.org/doku.php?id=565_566_588_rf_af_gain

My quick method to set gain:
1. leave preamp on always (unless the guy down the block is overloading
your front end)
2. turn RF Gain to maximum, tune in an s9+ signal, and set the AF Gain to
the maximum comfortable listening level. Never touch the AF Gain again
unless you switch headphones or speakers.
3. reduce RF Gain to a level that just allows you to hear background band
noise. Adjust as necessary.

I am not a fan of dsp NR and never touch the stuff, so can't help you there.

73, Barry N1EU

10088. Orion II Receiver vs RX 366

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-14 18:47:07 UTC
From: Mike Schatzberg
Topic: 10088 Message: 10088

I am interested to know if those members who have swapped their stock second receiver for the new RX 366 (Eagle RX) find it superior to the Orion II receiver and prefer to use the RX 366 rather than the 1st Orion RX?

If so, why is it superior.

Thanks for your replies.

73 and Happy DXing,

Mike
W2AJI

Sent from my iPhone

10089. Re: [orion565] Orion II Receiver vs RX 366

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-14 19:00:12 UTC
From: Barry N1EU
Topic: 10088 Message: 10089

No, performance is close enough that you can't tell the difference.

73, Barry N1EU

On Mon, Apr 14, 2014 at 6:47 PM, Mike Schatzberg <
cherokeehillfarm@...> wrote:

>
>
> I am interested to know if those members who have swapped their stock
> second receiver for the new RX 366 (Eagle RX) find it superior to the
> Orion II receiver and prefer to use the RX 366 rather than the 1st Orion RX?
>
> If so, why is it superior.
>
> Thanks for your replies.
>
> 73 and Happy DXing,
>
> Mike
> W2AJI
>
> Sent from my iPhone
>
>

10090. Orion filters

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-14 20:52:16 UTC
From: <k9ot@...>
Topic: 10090 Message: 10090

After having an Orion and sold it, I am thinking of buying another one.
The one that I had, I put the Inrad 600hz filter in it. I think that it went in place the 1khz filter if I remember correctly. I believe that they came from the factory with 3 filters,6,2.4 and 1 khz.
If I am correct about the 600/1khz filter swap, is that all of the filtering that you need for top performance?
Is it a wise move to get another Orion? If they replace the Orion II with another better radio, I am sure that it will be out of my price range. So Just thinking for now.
Thanks, 73 Paul K9OT

10091. Re: [orion565] Orion filters

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-14 21:37:33 UTC
From: Barry N1EU
Topic: 10090 Message: 10091

Yes, the Inrad #762 600hz filter is all you need for cw on the Orion.

Yes, it's a wise move to get another Orion, provided it's in nice shape - among other things, make sure LCD screen is sharp with good contrast and doesn't dim during transmit and that all the encoders (esp RIT/XIT) are free from intermittent outages.

These comments apply to the Orion, not the Orion II.

73, Barry N1EU

On Mon, Apr 14, 2014 at 8:52 PM, <k9ot@...> wrote:

>
>
> After having an Orion and sold it, I am thinking of buying another one.
> The one that I had, I put the Inrad 600hz filter in it. I think that it
> went in place the 1khz filter if I remember correctly. I believe that they
> came from the factory with 3 filters,6,2.4 and 1 khz.
> If I am correct about the 600/1khz filter swap, is that all of the
> filtering that you need for top performance?
> Is it a wise move to get another Orion? If they replace the Orion II with
> another better radio, I am sure that it will be out of my price range. So
> Just thinking for now.
> Thanks, 73 Paul K9OT
>
>

10092. TT 707 mic issues with Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-16 01:54:28 UTC
From: <grant@...>
Topic: 10092 Message: 10092

Hello guys, recently I bought a new 707 desk mic with stand from TT to use with my O 1. I've been using the TT PTT hand mic and also their headset, both have coiled cords, to good effect. After I hooked up the 707 mic i learned that my audio was great but there was a bonus. In addition to my "big signal audio" there was also clearly audible KRLD 1080 AM broadcast riding along with my signal. Has anyone ever had an issue like this. Yes KRLD is a 50 KW daytime superstation located about 10 miles from my home.

I tried coiling the cord around a screwdriver and found it kept the AM off my signal but when i touched the mic to trip the switch the AM and a little hum came back but fainter than before. I'm on my second mic cord from TT and this is frustrating. I even tried a large choke as well, 6 turns, to no effect.

Why does the hand mic and headset work fine and this things does not? I would appreciate any feedback on this. Thanks & 73 de W5XJ

10093. RE: [orion565] TT 707 mic issues with Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-16 02:17:51 UTC
From: john brown
Topic: 10092 Message: 10093

Hi Grant, Check and make sure that the drain wire is securely connected, to both the mic and the connector on the end of the mic cord. Had a similar problem with a kenwood 2000 and a Heil Goldline.73 John.

To: orion565@yahoogroups.com
From: grant@...
Date: Tue, 15 Apr 2014 18:54:28 -0700
Subject: [orion565] TT 707 mic issues with Orion I

Hello guys, recently I bought a new 707 desk mic with stand from TT to use with my O 1. I've been using the TT PTT hand mic and also their headset, both have coiled cords, to good effect. After I hooked up the 707 mic i learned that my audio was great but there was a bonus. In addition to my "big signal audio" there was also clearly audible KRLD 1080 AM broadcast riding along with my signal. Has anyone ever had an issue like this. Yes KRLD is a 50 KW daytime superstation located about 10 miles from my home.

I tried coiling the cord around a screwdriver and found it kept the AM off my signal but when i touched the mic to trip the switch the AM and a little hum came back but fainter than before. I'm on my second mic cord from TT and this is frustrating. I even tried a large choke as well, 6 turns, to no effect.

Why does the hand mic and headset work fine and this things does not? I would appreciate any feedback on this. Thanks & 73 de W5XJ

10094. Re: [orion565] Orion II Receiver vs RX 366

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-16 02:19:27 UTC
From: K Van Horn
Topic: 10088 Message: 10094

I concur with Barry, except that the 366 can be modified if you do not live close to high power AM broadcast stations, to be a really really great am broadcast band receiver!! 73, Kirby, k7ec

From: Barry N1EU
Sent: Monday, 14 April, 2014 13:00
To: Orion565
Subject: Re: [orion565] Orion II Receiver vs RX 366

No, performance is close enough that you can't tell the difference.

73, Barry N1EU

On Mon, Apr 14, 2014 at 6:47 PM, Mike Schatzberg <cherokeehillfarm@...> wrote:

I am interested to know if those members who have swapped their stock second receiver for the new RX 366 (Eagle RX) find it superior to the Orion II receiver and prefer to use the RX 366 rather than the 1st Orion RX?

If so, why is it superior.

Thanks for your replies.

73 and Happy DXing,

Mike
W2AJI

Sent from my iPhone

10095. Re: TT 707 mic issues with Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-16 02:24:53 UTC
From: <grant@...>
Topic: 10092 Message: 10095

what is a drain wire? the mic pins are all correct per TT diagram. If you check there is no continuity between XLR plug for mic and 4 pin mic plug going into 565. The shell of the XLR plug is shorted to ground or pin 2 on diagram.

10096. PA down on my O1

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-16 13:19:27 UTC
From: Pierre Rothenburger, F3WT
Topic: 10096 Message: 10096

Hi gents:

The PA on my O1 delivers only up to 7 watts maximum (measured by an output wattmeter) after a cold start, decreasing to about 2 or 3 W after warming up, whatever my power setting is (pot/button #17 on the manual) .
Maximum output decrease by increase of frequency selection (ham - bands) to some 1 to 2 watts.
I operate only CW (100% of time) .
The ALC LED flashes nicely as long as power SETTING and output stays at minimum (e.g. 1 watt).
It extinguishes beyond 5W settings operation or output .

The temperature protection scheme which cuts off PA after a certain temperature elevation did not have to operate I presume since I am still able to operate my O1 at qrp-levels.
My O1 hasn't got a fan, only convection cooling radiators on the rear.
However I noticed temperature elevations over 60° (limit one wouldn't touch it anymore).
For instance during intensive ANT/ SWR tuning and ANT-experimenting

Any hint before I start digging into the rig- or eventually sending it to repair .

Many thanks in advance.
73s
Pierre, F3WT.

10097. Re: TT 707 mic issues with Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-16 14:46:00 UTC
From: <wa6iaf@...>
Topic: 10092 Message: 10097

I'm not certain if this would be the issue or not with your O1 but something worth checking into. The early O1 had its mic connector wired differently than the later production TT565. The way to tell is take an ohm meter reading from the mic shell to the ground lug on back of rig. If it is open circuit you have early one, if shorted you have later. TT may be giving you cable for later production O1 and you have early. It's documented somewhere online but I don't recall if I saw it in the files section here, in a conversation or another web site. Never had the trouble you describe with an AM broadcast stn myself, none close by me here.
GL, 73,
Paul
WA6IAF

10098. Re: [orion565] Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-16 14:54:21 UTC
From: <wa6iaf@...>
Topic: 10039 Message: 10098

Arek,
Thanks for all your time and help with this problem, it's much appreciated.
Since I find that when adjusting the two ctrl pots for driver and final bias there is no measured voltage change on those transistors, I'm going to replace the I.C. and see what happens. It should be in my mail box now and in a few days when I get to it I'll post results here. Have lifted legs on drivers and finals from circuitry and they have good voltage drop across junctions.
73,
Paul

10099. Re: TT 707 mic issues with Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-16 17:38:31 UTC
From: <pa1ap@...>
Topic: 10092 Message: 10099

I suggest you verify if the mic negative and positive leads are so called floating within the shielded cable. The shield should connect the orion chassis. The mic wires should not connect to shield in any way. This seems the most common issue with connecting mic to the orion. Either the cable shield is not connected to chassis or one of the mic leads is mistakenly connected to shield.

Especially with Orion 565 connecting the cable shield to the actual plug case requires attention. I have carefully stripped the mic cable and folded back the shield for 5-10mm. When assembling the mic plug the part which secures the cable will make contact to the shield which is folded back. This way the pug will ensure the shield is connected to the chassis.

When that is not sufficient you could consider adding a ferrite clamp. Or simply soldering a 1nF capacitor within the mic plug between mic positive and ground (shield) and mic negative and ground (shield). But in most cases it is a poorly connected shield causing the issue.

Hope this helps. Best regards, Onno

10100. Re: [orion565] Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-16 18:46:38 UTC
From: Arek Tarniowy
Topic: 10039 Message: 10100

No problem Paul
If you need anything else please let me know.

CU on the air

Arek
AC2FC

Sent from my iPhone

On Apr 16, 2014, at 10:54 AM, <wa6iaf@gmail.com> wrote:

> Arek,
> Thanks for all your time and help with this problem, it's much appreciated.
> Since I find that when adjusting the two ctrl pots for driver and final bias there is no measured voltage change on those transistors, I'm going to replace the I.C. and see what happens. It should be in my mail box now and in a few days when I get to it I'll post results here. Have lifted legs on drivers and finals from circuitry and they have good voltage drop across junctions.
> 73,
> Paul
>
>

10101. Re: TT 707 mic issues with Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-16 20:27:55 UTC
From: <grant@...>
Topic: 10092 Message: 10101

John, Paul & Onno, thank you very much for your suggestions. I will check all these items and see what I can find. Paul at TT recently suggested a ground loop but I had none with the other two mics. The 707 is a chrome plated plastic body which may enhance issues. Also i got some wiring diagrams from TT that i will post on this site. Thanks guys! ''73' / good DX de W5XJ in Dallas

10102. Re: [orion565] Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-17 06:54:51 UTC
From: <f3wt@...>
Topic: 10039 Message: 10102

Hi all and Arek,

Was the problem solved?
I have the same ! even though with some RF left (1 to 10 Watts depending on band - very peculiar-
would be a pity to leave this rig as QRP !).
It was exposed to a thunderstorm-hit around the shack 2 years ago and was repaired by changing both the display and CPU boards).
Worked fine until now, when may be I didn't watch sufficiently quite high SWR during heavy duty contesting last JIDX and GC.
I plan to replace the PA-brick.
Has anybody done this before ?
Any advice and comments beyond welcome.

73
Pierre, F3WT.

10103. Re: [orion565] Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-17 11:00:20 UTC
From: Arek Tarniowy
Topic: 10039 Message: 10103

Pierre,
Did you check this on antenna or dummy load?

Arek
AC2FC

Sent from my iPhone

On Apr 17, 2014, at 2:54 AM, <f3wt@...> wrote:

> Hi all and Arek,
>
>
> Was the problem solved?
> I have the same ! even though with some RF left (1 to 10 Watts depending on band - very peculiar-
> would be a pity to leave this rig as QRP !).
> It was exposed to a thunderstorm-hit around the shack 2 years ago and was repaired by changing both the display and CPU boards).
> Worked fine until now, when may be I didn't watch sufficiently quite high SWR during heavy duty contesting last JIDX and GC.
> I plan to replace the PA-brick.
> Has anybody done this before ?
> Any advice and comments beyond welcome.
>
> 73
> Pierre, F3WT.
>

10104. Re: TT 707 mic issues with Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-17 15:42:17 UTC
From: <wa6iaf@...>
Topic: 10092 Message: 10104

Sure, no problem...I forgot to mention I'm also using the TT 707 Regal mic with my 565, cord supplied with mic from TT. No BCI with it but like I said, there are no AM broadcast stations anywhere nearby. BTW, I plug the mic into front panel mic jack on the rig. I'd imagine your mic is wired properly from the factory to mate with your rig, unless someone in the past has changed things around inside. Might not hurt to see if you see a nice zero ohm reading when measuring from front panel mic jack to ground lug. If not check with TT to see what they have to say. Ferrite beads...quick and inexpensive, may be an easy solution, although in the past when I've tried ferrite for getting rid of unwanted signals like you've got, I have not had much luck with them.

73
Paul WA6IAF

10105. Re: [orion565] Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-17 19:19:35 UTC
From: <wa6iaf@...>
Topic: 10039 Message: 10105

Pierre,
I have the PA brick out of my 565right now. Removing it was not difficult at all. I took top and bottom covers off then I could access 4 Phillips head screws from inside of rear panel. It comes out as one unit, but I had to clip a couple wire ties as well as snip the red power lead, unplug the RF in and RF out coax connectors as well as unplug the 2 conductor plug for thermostat. Also the single conductor wire going to jack J6 (2 conductor plug only one side used) on the BPF board had to be unplugged. It's polarity does not matter as the 2 prongs on BPF board are connected to each other. It brings in +DC for the I.C. and associated circuitry for bias of drivers and finals. Then I had the brick free in my hand. It's pretty easy to get out. The thermostat in mine is a 67F085. When I looked up the spec sheet online it stated that's a normally CLOSED device that OPENS at 85 degrees C. I plan on replacing the dual op amp in mine this weekend...this O1 has RF output voltage only measurable on transverter RCA jack when transverter is selected from menu. No RF at either RF SO-239s on the rigs' back panel. mine has different symptom than yours, so I gather from reading what you posted. Pardon me if I covered things you know...just trying to be clear and thorough.
GL and 73,
Paul WA6IAF

10106. Re: [orion565] Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-17 19:30:32 UTC
From: Arek Tarniowy
Topic: 10039 Message: 10106

Like I said before I have similar problem with one of the Orion I and problem was with bias transistor on driver side.I also replaced the OpAmp. If you have a scope you can track the signal - before drivers, after etc.

Arek
AC2FC

Sent from my iPhone

On Apr 17, 2014, at 3:19 PM, <wa6iaf@...> wrote:

> Pierre,
> I have the PA brick out of my 565right now. Removing it was not difficult at all. I took top and bottom covers off then I could access 4 Phillips head screws from inside of rear panel. It comes out as one unit, but I had to clip a couple wire ties as well as snip the red power lead, unplug the RF in and RF out coax connectors as well as unplug the 2 conductor plug for thermostat. Also the single conductor wire going to jack J6 (2 conductor plug only one side used) on the BPF board had to be unplugged. It's polarity does not matter as the 2 prongs on BPF board are connected to each other. It brings in +DC for the I.C. and associated circuitry for bias of drivers and finals. Then I had the brick free in my hand. It's pretty easy to get out. The thermostat in mine is a 67F085. When I looked up the spec sheet online it stated that's a normally CLOSED device that OPENS at 85 degrees C. I plan on replacing the dual op amp in mine this weekend...this O1 has RF output voltage only measurable on transverter RCA jack when transverter is selected from menu. No RF at either RF SO-239s on the rigs' back panel. mine has different symptom than yours, so I gather from reading what you posted. Pardon me if I covered things you know...just trying to be clear and thorough.
> GL and 73,
> Paul WA6IAF
>
>

10107. Re: TT 707 mic issues with Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-18 05:05:48 UTC
From: <pa1ap@...>
Topic: 10092 Message: 10107

I just noticed your remark regarding pin 2 and shell ......this is exactly what should not happen. shell should only connect to shield and no other pin. mic pins must float within shield .

10108. Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-18 17:19:07 UTC
From: f3wt@...
Topic: 10039 Message: 10108

Thank you so much Arek and Paul.
Good to read your various inputs, no matter .
Yes! I have a scope , so I should trace the signal if accessible (still connected "in situ") before un-mounting .
Arek: Figures (1 to 10W) I gave was antenna connected, matched, tuning of tuner not altered.
I should test as well transverter output signal. I forgot.
Will be back.
Meanwhile , nice Eastern Holidays
73,
Pierre, F3WT

10109. N1mm Logger and Orion on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-20 16:23:32 UTC
From: W5SUM - Ronnie
Topic: 10109 Message: 10109

I'm trying to get N1mm to control my orion on CW. I have the port set up correctly, the Orion and N1mm interface well for logging.
but no matter what I do I can't get the F keys to send CW. I have tried everything.
SOMETIMES when I hit the space bar it will key the Orion for perhaps 2 seconds then quit.

any help will be appreciated

thanks and God bless

Ronnie

10110. Re: [orion565] N1mm Logger and Orion on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-20 20:39:49 UTC
From: Barry N1EU
Topic: 10109 Message: 10110

What cw interface hardware are you using?

Barry N1EU

On Sun, Apr 20, 2014 at 4:23 PM, W5SUM - Ronnie <w5sum@...> wrote:

>
>
> I'm trying to get N1mm to control my orion on CW. I have the port set up
> correctly, the Orion and N1mm interface well for logging.
> but no matter what I do I can't get the F keys to send CW. I have tried
> everything.
> SOMETIMES when I hit the space bar it will key the Orion for perhaps 2
> seconds then quit.
>
> any help will be appreciated
>
> thanks and God bless
>
> Ronnie
>
>
>

10111. Re: [orion565] N1mm Logger and Orion on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-20 21:24:48 UTC
From: W5SUM - Ronnie
Topic: 10109 Message: 10111

I have since discovered that the n1mm software and my computer cannot control the Orion through the Orion's rs232 port but that I do, indeed, need an interface. So the search begins.
What kind do you use and recommend?

Ronnie

10112. Re: [orion565] N1mm Logger and Orion on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-20 23:18:51 UTC
From: Barry N1EU
Topic: 10109 Message: 10112

I use a WinKey USB keyer for the cw interface between N1MM Logger and my Orion.

73, Barry N1EU

On Sun, Apr 20, 2014 at 9:24 PM, W5SUM - Ronnie <w5sum@...> wrote:

>
>
> □
> I have since discovered that the n1mm software and my computer cannot
> control the Orion through the Orion's rs232 port but that I do, indeed,
> need an interface. So the search begins.
> What kind do you use and recommend?
>
> Ronnie
>
>
>

10113. Re: N1mm Logger and Orion on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-22 08:19:08 UTC
From: <pa5mw@...>
Topic: 10109 Message: 10113

I use the Microham Microkeyer II for cw interface between Wintest and my OII during contesting.

Next to various connectable equipment, it also makes it possible to have my Perseus SDR track the main VFO.

73 Mark, PA5MW

10114. RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 13:37:38 UTC
From: <cherokeehillfarm@...>
Topic: 10114 Message: 10114

Several members have questioned whether the Eagle receiver design for use in the Orion radios as the second receiver is still available. I have written to Ten Tec sales some days ago, and have yet to receive a reply. I have written today to Ten Tec engineering. Perhaps I will receive a reply. I thought I saw a new thread started on the Ten Tec reflector, but strangely, I can not find the thread on this question now. I also noticed the RX 366 has been removed from the Ten Tec website recently. I will post any replies I might receive from Ten Tec here. Any input is welcome. 73, Mike W2AJI Owner Orion 565/566 Reflector

10116. Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 14:26:16 UTC
From: <jhenry@...>
Topic: 10114 Message: 10116

I probably should have added, if you want an RX366, then call Stan in sales to order one. I was not aware it wasn't on the website until Mike sent me the request for info. But I do know we have the qty in stock I mentioned, and two are already now sold.

There is a lot of change going on at TEN-TEC, as we try to gear up for better product delivery, both in quantity and quality of new products. The upcoming move will hamper that quite a bit until we are settled, but, everything being done is to improve TEN-TEC's viability as a company and as a product manufacturer/engineering company, etc., etc. Delivering what the hams want when they want it, and eliminate the occurrences of an occasional "out of stock". Dang things sell so fast anymore. A good thing, but a bad thing for those that don't get them while they are ready and available.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

10117. Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 15:38:53 UTC
From: Steven Hammond
Topic: 10114 Message: 10117

Dumb question - Could someone explain what this RX366 has in advantage to the current receiver in my O2? What is the cost? Is it user installable?

Steve Hammond
KY5M
On 4/24/2014 09:26, jhenry@... wrote:
>
> I probably should have added, if you want an RX366, then call Stan in
> sales to order one.
>
> I was not aware it wasn't on the website until Mike sent me the
> request for info. But I do know we have the qty in stock I mentioned,
> and two are already now sold.
>
> There is a lot of change going on at TEN-TEC, as we try to gear up for
> better product delivery, both in quantity and quality of new products.
> The upcoming move will hamper that quite a bit until we are settled,
> but, everything being done is to improve TEN-TEC's viability as a
> company and as a product manufacturer/engineering company, etc., etc.
> Delivering what the hams want when they want it, and eliminate the
> occurrences of an occasional "out of stock". Dang things sell so fast
> anymore. A good thing, but a bad thing for those that don't get them
> while they are ready and available.
>
> Thanks, and 73,
> John Henry, KI4JPL
> TEN-TEC Enginee ring
>
>

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10118. Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 16:03:41 UTC
From: Barry N1EU
Topic: 10114 Message: 10118

1. Down-converting with narrow roofing filters versus upconverting with
wide roofing filter and 20-30dB improvement in narrow spaced IMD

2. ~$700 (???)

3. yes

73, Barry N1EU

On Thu, Apr 24, 2014 at 3:38 PM, Steven Hammond <bcf1689@...> wrote:

>
>
> Dumb question - Could someone explain what this RX366 has in advantage to
> the current receiver in my O2? What is the cost? Is it user installable?
>
> Steve Hammond
> KY5M
>
> On 4/24/2014 09:26, jhenry@... wrote:
>
>
>
>
> I probably should have added, if you want an RX366, then call Stan in
> sales to order one.
> I was not aware it wasn't on the website until Mike sent me the request
> for info. But I do know we have the qty in stock I mentioned, and two are
> already now sold.
>
> There is a lot of change going on at TEN-TEC, as we try to gear up for
> better product delivery, both in quantity and quality of new products. The
> upcoming move will hamper that quite a bit until we are settled, but,
> everything being done is to improve TEN-TEC's viability as a company and as
> a product manufacturer/engineering company, etc., etc. Delivering what the
> hams want when they want it, and eliminate the occurrences of an occasional
> "out of stock". Dang things sell so fast anymore. A good thing, but a bad
> thing for those that don't get them while they are ready and available.
>
> Thanks, and 73,
> John Henry, KI4JPL
> TEN-TEC Enginee ring
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10119. Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 16:08:53 UTC
From: Steven Hammond
Topic: 10114 Message: 10119

Thanks for the quick reply. Under what conditions would I really want
the RX366? I'm assuming this is the secondary receiver.

Steve Hammond
KY5M
On 4/24/2014 11:03, Barry N1EU wrote:
> 1. Down-converting with narrow roofing filters versus upconverting
> with wide roofing filter and 20-30dB improvement in narrow spaced IMD
>
> 2. ~$700 (???)
>
> 3. yes
>
> 73, Barry N1EU
>
>
> On Thu, Apr 24, 2014 at 3:38 PM, Steven Hammond <bcf1689@...
> <mailto:bcf1689@...>> wrote:
>
> Dumb question - Could someone explain what this RX366 has in
> advantage to the current receiver in my O2? What is the cost? Is
> it user installable?
>
> Steve Hammond
> KY5M
>
>
> On 4/24/2014 09:26, jhenry@... <mailto:jhenry@...>
> wrote:
>>
>> I probably should have added, if you want an RX366, then call
>> Stan in sales to order one.
>>
>> I was not aware it wasn't on the website until Mike sent me the
>> request for info. But I do know we have the qty in stock I
>> mentioned, and two are already now sold.
>>
>> There is a lot of change going on at TEN-TEC, as we try to gear
>> up for better product delivery, both in quantity and quality of
>> new products. The upcoming move will hamper that quite a bit
>> until we are settled, but, everything being done is to improve
>> TEN-TEC's viability as a company and as a product
>> manufacturer/engineering company, etc., etc. Delivering what the
>> hams want when they want it, and eliminate the occurrences of an
>> occasional "out of stock". Dang things sell so fast anymore. A

>> good thing, but a bad thing for those that don't get them while
>> they are ready and available.
>>
>> Thanks, and 73,
>> John Henry, KI4JPL
>> TEN-TEC Enginee ring
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10120. Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 16:49:00 UTC
From: Barry N1EU
Topic: 10114 Message: 10120

In my opinion, more important for cw than ssb, more important for low bands versus higher bands, important if you do stereo diversity reception, and more important if you are somewhat serious into contesting and working through dx pileups.

73, Barry N1EU

On Thu, Apr 24, 2014 at 4:08 PM, Steven Hammond <bcf1689@...> wrote:

>
>
> Thanks for the quick reply. Under what conditions would I really want the
> RX366? I'm assuming this is the secondary receiver.
>
> Steve Hammond
> KY5M
>
> On 4/24/2014 11:03, Barry N1EU wrote:
>
>
> 1. Down-converting with narrow roofing filters versus upconverting with
> wide roofing filter and 20-30dB improvement in narrow spaced IMD
>
> 2. ~$700 (???)
>
> 3. yes
>
> 73, Barry N1EU
>
>
> On Thu, Apr 24, 2014 at 3:38 PM, Steven Hammond <bcf1689@...> wrote:
>
>>
>>
>> Dumb question - Could someone explain what this RX366 has in advantage to
>> the current receiver in my O2? What is the cost? Is it user installable?
>>
>> Steve Hammond
>> KY5M
>>
>> On 4/24/2014 09:26, jhenry@...m wrote:
>>
>>
>>
>> I probably should have added, if you want an RX366, then call Stan in
>> sales to order one.

>> I was not aware it wasn't on the website until Mike sent me the request
>> for info. But I do know we have the qty in stock I mentioned, and two are
>> already now sold.
>>
>> There is a lot of change going on at TEN-TEC, as we try to gear up for
>> better product delivery, both in quantity and quality of new products. The
>> upcoming move will hamper that quite a bit until we are settled, but,
>> everything being done is to improve TEN-TEC's viability as a company and as
>> a product manufacturer/engineering company, etc., etc. Delivering what the
>> hams want when they want it, and eliminate the occurrences of an occasional
>> "out of stock". Dang things sell so fast anymore. A good thing, but a bad
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>> Thanks, and 73,
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>> TEN-TEC Enginee ring
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10121. Re: RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 17:05:12 UTC
From: <pa1ap@...>
Topic: 10114 Message: 10121

Th new sub receiver also provides an direct if output you can patch with a small cable to a panadapter . no soldering required as far as I know. On tenrec website john uploaded a video to demo its capability. Best regards, onno pa1ap

10122. Re: [orion565] Re: RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 17:11:02 UTC
From: Barry N1EU
Topic: 10114 Message: 10122

No, the i.f. output is not really useable. I tried.

73, Barry N1EU

On Thu, Apr 24, 2014 at 5:05 PM, <pa1ap@...> wrote:

>
>
> Th new sub receiver also provides an direct if output you can patch with a
> small cable to a panadapter . no soldering required as far as I know. On
> tenrec website john uploaded a video to demo its capability. Best regards,
> onno pa1ap
>
>

10123. Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 17:43:15 UTC
From: Mike Schatzberg
Topic: 10114 Message: 10123

Thank you John for the update on the RX 366.

When and where will Ten Tec be moving? Growing I hope into a new facility?

73,

Mike
W2AJI

Sent from my iPhone

> On Apr 24, 2014, at 10:26 AM, <jhenry@...> wrote:
>
>
>
> I probably should have added, if you want an RX366, then call Stan in sales to order one.
> I was not aware it wasn't on the website until Mike sent me the request for info. But I do know we have the qty in stock I mentioned, and two are already now sold.
>
> There is a lot of change going on at TEN-TEC, as we try to gear up for better product delivery, both in quantity and quality of new products. The upcoming move will hamper that quite a bit until we are settled, but, everything being done is to improve TEN-TEC's viability as a company and as a product manufacturer/engineering company, etc., etc. Delivering what the hams want when they want it, and eliminate the occurrences of an occasional "out of stock". Dang things sell so fast anymore. A good thing, but a bad thing for those that don't get them while they are ready and available.
>
> Thanks, and 73,
> John Henry, KI4JPL
> TEN-TEC Engineering
>
>
>
>

10124. Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 18:53:11 UTC
From: <jhenry@...>
Topic: 10114 Message: 10124

When and where, both still tbd. Looking at properties where we can build a new factory, and also where we can rent, it all depends upon what is available, and how much it costs, what are the benefits, etc.

But, what I can say is, all of the changes that are happening now, are to improve a LOT of things within TEN-TEC and this is all a very positive future based plan for the company. But we will still be the same to our customers. Still have me on here once in a while to answer questions, still have Stan or someone else to call for sales, still have Paul and the crew with their stellar customer support and repairing rigs that cost more now to repair than the rig did when it was purchased originally. etc.

I will miss not having an official TEN-TEC hamfest myself, heck, maybe the group of hams already committed to vacationing in the area can come to the parking lot (if we are still here then and if we don't need the lot for moving vans, geesh, gotta make it clear there), and hold a candle light vigil in memory of the house that Al and Jack built. a HECK of a legacy, set of accomplishments, etc. Maybe still have a "Gathering" instead of our full blown hamfest. Just be aware that we may be up to our elbows in boxes, as Jim stated, and may decide to keep the customer doors closed at that time period. All depends upon timing. I would imagine that SEDCO is still on, have to check w4dxcc to confirm, looks like it is since they have the countdown ticker there running, if so, then some of us from TEN-TEC might be there.

Been on this enough today, gotta get back to making product, improving product, figuring out next products, etc.
May disappear from view for a while, so much to do in engineering.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

10125. Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 19:04:30 UTC
From: catfishtwo@...
Topic: 10114 Message: 10125

Thanks for the update. I find you guys are the best! keep the company going and keep making good stuff for us hams. Good work, kep on keeping on.

and thanks

tom n6ajr

In a message dated 4/24/2014 11:53:14 A.M. Pacific Daylight Time, jhenry@... writes:

When and where, both still tbd.
Looking at properties where we can build a new factory, and also where we can rent, it all depends upon what is available, and how much it costs, what are the benefits, etc.

But, what I can say is, all of the changes that are happening now, are to improve a LOT of things within TEN-TEC and this is all a very positive future based plan for the company. But we will still be the same to our customers. Still have me on here once in a while to answer questions, still have Stan or someone else to call for sales, still have Paul and the crew with their stellar customer support and repairing rigs that cost more now to repair than the rig did when it was purchased originally. etc.

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I would imagine that SEDCO is still on, have to check w4dxcc to confirm, looks like it is since they have the countdown ticker there running, if so, then some of us from TEN-TEC might be there.

Been on this enough today, gotta get back to making product, improving product, figuring out next products, etc.
May disappear from view for a while, so much to do in engineering.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

10126. Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 19:05:38 UTC
From: catfishtwo@...
Topic: 10114 Message: 10126

make that keep on keeping on

In a message dated 4/24/2014 12:04:30 P.M. Pacific Daylight Time,
CATFISHTWO@... writes:

Thanks for the update. I find you guys are the best! keep the company
going and keep making good stuff for us hams. Good work, kep on keeping on.

and thanks

tom n6ajr

In a message dated 4/24/2014 11:53:14 A.M. Pacific Daylight Time,
jhenry@... writes:

When and where, both still tbd.
Looking at properties where we can build a new factory, and also where we
can rent, it all depends upon what is available, and how much it costs,
what are the benefits, etc.

But, what I can say is, all of the changes that are happening now, are to
improve a LOT of things within TEN-TEC and this is all a very positive
future based plan for the company. But we will still be the same to our
customers. Still have me on here once in a while to answer questions, still have
Stan or someone else to call for sales, still have Paul and the crew with
their stellar customer support and repairing rigs that cost more now to
repair than the rig did when it was purchased originally. etc.

I will miss not having an official TEN-TEC hamfest myself, heck, maybe the
group of hams already committed to vacationing in the area can come to the
parking lot (if we are still here then and if we don't need the lot for
moving vans, geesh, gotta make it clear there), and hold a candle light vigil
in memory of the house that Al and Jack built. a HECK of a legacy, set of
accomplishments, etc. Maybe still have a "Gathering" instead of our full
blown hamfest. Just be aware that we may be up to our elbows in boxes, as Jim
stated, and may decide to keep the customer doors closed at that time
period. All depends upon timing.
I would imagine that SEDCO is still on, have to check w4dxcc to confirm,
looks like it is since they have the countdown ticker there running, if so,
then some of us from TEN-TEC might be there.

Been on this enough today, gotta get back to making product, improving
product, figuring out next products, etc.
May disappear from view for a while, so much to do in engineering.

Thanks, and 73,
John Henry, KI4JPL

TEN-TEC Engineering

10127. Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 19:20:56 UTC
From: <jhenry@...>
Topic: 10114 Message: 10127

Thanks, One thing everyone should recognize, all products end up finally getting discontinued, if it is time to discontinue the RX366 because those that wanted it have purchased it already, I don't know, would have to review the sales trends to know for sure. Whereas there is a large set of Orion I's and II's out there, IF no one has bought a 366 in months, then do we keep making them? Sales reviews occur once in a while and any product is subject to discontinuance. Normal business. (fyi, will post this to contesting.com also, since this single topic is now on several different reflectors....)

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering

10128. Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-24 19:59:50 UTC
From: Paul Dulaff
Topic: 10114 Message: 10128

John

The reality that a products life cycle progresses to end of production is a fact. I would offer that when that event for the RX-366 is planned, that TEN-TEC state that on the website and offer a last purchase opportunity for the RX-366 to the Orion I & II owners.

Paul - WB2NMI

Orion I
Scout
6N2

----- Original Message -----
From: jhenry@...
To: orion565@yahoogroups.com
Sent: Thu, 24 Apr 2014 15:20:56 -0400 (EDT)
Subject: Re: [orion565] RX 366 still available?

Thanks,One thing everyone should recognize, all products end up finally getting discontinued, if it is time to discontinue the RX366 because those that wanted it have purchased it already, I don't know, would have to review the sales trends to know for sure. Whereas there is a large set of Orion I's and II's out there, IF no one has bought a 366 in months, then do we keep making them? Sales reviews occur once in a while and any product is subject to discontinuance. Normal business.(fyi, will post this to contesting.com also, since this single topic is now on several different reflectors....)
Thanks, and 73,John Henry, KI4JPLTEN-TEC Engineering

10129. TenTec hamfest was Re: [orion565] RX 366 still available?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-25 01:16:18 UTC
From: <k4ten@...>
Topic: 10114 Message: 10129

How about changing it to a TenTec tailgate gathering for this years event. The only thing required from TenTec would be to mark off the spots and put out some porta-poties. The factory could stay locked up, no tents, no tours etc... Minimal TenTec effort yet 95% of the Hamfest would be preserved! It would be a win-win situation!!

Frankie
K4TEN

10130. Re: No RF Out O1 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-25 13:01:21 UTC
From: <f3wt@...>
Topic: 10039 Message: 10130

Hi Arek, Paul
Hi all,

New findings on my no wattage output :

- the XVTR output when in emission (T high) shows abt 0.5Volts RMS (ca. 5dBm the manual says) , on any band w. nice sinusoïd BUT wich seems not to be settable with the PWR buton to higher votage (1.3V which would correspond to 15 dBm the manual says as well). So this looks like the behaviour on output seen on ANT1 (or 2) =a couple of watts with no increase thru PWR setting pot.
Thus I 'm not sure the culpritt is my PA but rather something along the ALC paths & control on both XVTER and PA , the common thing being the 'pwr-pot ' setting or some internal part of the SW.
Two doublets of { RAM & Master-resetting} didn't yield anything better.
Should I anyway open and check the PA-board?
Any comment outthere on ALC dysfunctioning B4 would be welcome.

One additional comment : I remember during previous operations I had HF circulating around the rig when bad or high SWR prior to matching- procedure on my tuner . It showed almost all LEDs on butons on the front panel flashing like a christmas tree on and off while keying CW . I stop immediatly Txing. (I used to have had this before on a former O1 w/o any further trouble.
Could it happen though that the loading program got altered on a more fragile machine thus calling for a new download /or reinstall of (latest) run version?

Thank you.
73
Pierre,
F3WT

10131. WTB: Rack Mounting for Hercules

Yahoo group: orion565 (2014 — 2017)
Date: 2014-04-27 15:18:52 UTC
From: Fernando
Topic: 10131 Message: 10131

Hello.

Long shot, but anyone have

the rack mounting for the Herc

they might want to sell?

I purchased some blank panels but

1/8 thick aluminum might be tough to

form, not having a bending break.

Fernando N2FQ/6
n2fq@...

10132. winkeyer usb with orion

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-02 17:20:21 UTC
From: W5SUM - Ronnie
Topic: 10132 Message: 10132

okay fella's I got my winkeyer usb and it works GREAT as a conventional keyer with my orion BUT

HOW do I cable its output to the orion to use it with n1mm? Do I just use the keyer1 port or do I have to use the ptt1 port to the orion?

I'm a little dumb on this stuff, believe it or not, in 45 years of ham radio, this is my first attempt at computer aided logging and cw control

thanks in advance

Ronnie W5SUM

10133. Re: [orion565] winkeyer usb with orion

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-02 17:47:06 UTC
From: Jerry, N9AW
Topic: 10132 Message: 10133

You need to hook up the USB port on the keyer to a USB port on your computer. If you have an older PC with only a serial port than you will need a serial to USB adapter. The key1 port on the keyer goes to the keyer jack on your Orion. Then, you need to tell N1MM that you are using the keyer. You do that in the configuration setup which is fully documented in the N1MM documentation. Part of it will entail determining what the number of the USB port that you are using on your computer. Again, the N1MM documentation will help you figure that out.

73
Jerry N9AW

----- Original Message -----
From: W5SUM - Ronnie
To: orion565@yahoogroups.com
Sent: Friday, May 02, 2014 12:20 PM
Subject: [orion565] winkeyer usb with orion

okay fella's I got my winkeyer usb and it works GREAT as a conventional keyer with my orion BUT

HOW do I cable its output to the orion to use it with n1mm? Do I just use the keyer1 port or do I have to use the ptt1 port to the orion?

I'm a little dumb on this stuff, believe it or not, in 45 years of ham radio, this is my first attempt at computer aided logging and cw control

thanks in advance

Ronnie W5SUM

10134. Re: [orion565] winkeyer usb with orion

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-02 17:52:49 UTC
From: Ronnie Hull
Topic: 10132 Message: 10134

Jerry all of that is done ! N1 mm knows it's there and so does the PC!
The keyer will key the Orion as a stand alone keyer and send flawless cw !

Sent from Ronnie's IPhone

> On May 2, 2014, at 12:47 PM, "Jerry, N9AW" <n9aw@...> wrote:
>
> You need to hook up the USB port on the keyer to a USB port on your computer. If you have an older PC with only a serial port than you will need a serial to USB adapter. The key1 port on the keyer goes to the keyer jack on your Orion. Then, you need to tell N1MM that you are using the keyer. You do that in the configuration setup which is fully documented in the N1MM documentation. Part of it will entail determining what the number of the USB port that you are using on your computer. Again, the N1MM documentation will help you figure that out.
>
> 73
> Jerry N9AW
>
>
> ----- Original Message -----
> From: W5SUM - Ronnie
> To: orion565@yahoogroups.com
> Sent: Friday, May 02, 2014 12:20 PM
> Subject: [orion565] winkeyer usb with orion
>
>
> okay fella's I got my winkeyer usb and it works GREAT as a conventional keyer with my orion BUT
>
> HOW do I cable its output to the orion to use it with n1mm? Do I just use the keyer1 port or do I have to use the ptt1 port to the orion?
>
> I'm a little dumb on this stuff, believe it or not, in 45 years of ham radio, this is my first attempt at computer aided logging and cw control
>
> thanks in advance
>
> Ronnie W5SUM
>

10135. Re: [orion565] winkeyer usb with orion

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-02 19:05:17 UTC
From: Jerry, N9AW
Topic: 10132 Message: 10135

Oh OK Ronnie, I must have misunderstood. That all sounds good. Key1 is the correct output of the Winkeyer and it goes to the Key jack, either on the front or rear of the Orion. You should be good to go. Make sure the internal keyer in the radio is off of course.

Jerry

----- Original Message -----
From: Ronnie Hull
To: orion565@yahoogroups.com
Sent: Friday, May 02, 2014 12:52 PM
Subject: Re: [orion565] winkeyer usb with orion

Jerry all of that is done ! N1 mm knows it's there and so does the PC!
The keyer will key the Orion as a stand alone keyer and send flawless cw !

Sent from Ronnie's IPhone

On May 2, 2014, at 12:47 PM, "Jerry, N9AW" <n9aw@...> wrote:

You need to hook up the USB port on the keyer to a USB port on your computer. If you have an older PC with only a serial port than you will need a serial to USB adapter. The key1 port on the keyer goes to the keyer jack on your Orion. Then, you need to tell N1MM that you are using the keyer. You do that in the configuration setup which is fully documented in the N1MM documentation. Part of it will entail determining what the number of the USB port that you are using on your computer. Again, the N1MM documentation will help you figure that out.

73
Jerry N9AW

----- Original Message -----
From: W5SUM - Ronnie
To: orion565@yahoogroups.com
Sent: Friday, May 02, 2014 12:20 PM
Subject: [orion565] winkeyer usb with orion

okay fella's I got my winkeyer usb and it works GREAT as a conventional keyer with my orion BUT

HOW do I cable its output to the orion to use it with n1mm? Do I just use the keyer1 port or do I have to use the ptt1 port to the orion?

I'm a little dumb on this stuff, believe it or not, in 45 years of ham radio, this is my first attempt at computer aided logging and cw control

thanks in advance

Ronnie W5SUM

10136. Re: [orion565] winkeyer usb with orion

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-02 21:05:13 UTC
From: Barry N1EU
Topic: 10132 Message: 10136

I also use the PTT generated by WinKeyer/N1MM during SSB contests and also when I don't want to run QSK during CW contests.

73, Barry N1EU

On Fri, May 2, 2014 at 7:05 PM, Jerry, N9AW <n9aw@...> wrote:

>
>
> □
> Oh OK Ronnie, I must have misunderstood. That all sounds good. Key1 is
> the correct output of the Winkeyer and it goes to the Key jack, either on
> the front or rear of the Orion. You should be good to go. Make sure the
> internal keyer in the radio is off of course.
>
> Jerry
>
>
>
> ----- Original Message -----
> *From:* Ronnie Hull <w5sum@...>
> *To:* orion565@yahoogroups.com
> *Sent:* Friday, May 02, 2014 12:52 PM
> *Subject:* Re: [orion565] winkeyer usb with orion
>
>
>
> Jerry all of that is done ! N1 mm knows it's there and so does the PC!
> The keyer will key the Orion as a stand alone keyer and send flawless cw !
>
>
>
> Sent from Ronnie's IPhone
>
> On May 2, 2014, at 12:47 PM, "Jerry, N9AW" <n9aw@sbcglobal.net> wrote:
>
>
>
> You need to hook up the USB port on the keyer to a USB port on your
> computer. If you have an older PC with only a serial port than you will
> need a serial to USB adapter. The key1 port on the keyer goes to the
> keyer jack on your Orion. Then, you need to tell N1MM that you are using
> the keyer. You do that in the configuration setup which is fully
> documented in the N1MM documentation. Part of it will entail determining
> what the number of the USB port that you are using on your computer.

> Again, the N1MM documentation will help you figure that out.
>
> 73
> Jerry N9AW
>
>
>
> ----- Original Message -----
> *From:* W5SUM - Ronnie <w5sum@...>
> *To:* orion565@yahoogroups.com
> *Sent:* Friday, May 02, 2014 12:20 PM
> *Subject:* [orion565] winkeyer usb with orion
>
>
>
> okay fella's I got my winkeyer usb and it works GREAT as a conventional
> keyer with my orion BUT
>
> HOW do I cable its output to the orion to use it with n1mm? Do I just use
> the keyer1 port or do I have to use the ptt1 port to the orion?
>
> I'm a little dumb on this stuff, believe it or not, in 45 years of ham
> radio, this is my first attempt at computer aided logging and cw control
>
> thanks in advance
>
> Ronnie W5SUM
>
>
>

10137. Calibrate the SWR Readout on Orion I

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-02 23:49:02 UTC
From: <pdulaff@...>
Topic: 10137 Message: 10137

I have an Orion I, built in 2003. Working well except the SWR indicator always reads high. I have been checking and with a dummy load with 1:1 match, the transceiver reports 1.6 to 1.

I tried adjusting the reflected signal adjustment on the A5 board and was able to get the SWR indicator to read 1:1 with a dummy load. However, when I tested with no load, the SWR indicator reads 2.5 to 1 instead of HIGH.

Has anyone calibrated the SWR bridge on the Orion and share the process ?

Paul - WB2NMI

10138. Re: WTB: Rack Mounting for Hercules

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-02 23:57:53 UTC
From: WA1MXT
Topic: 10131 Message: 10138

I have had my O2 for 6 yrs and still trying to figure out what the A and B to the left of the Freq Readout is used for. I have tried everything to make it highlight the B to no avail. It has always and still highlights the A. Anyone have any idea what function it serves..

Fred
WA1MXT

Sent from my iPad

10139. Re: WTB: Rack Mounting for Hercules

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-03 13:14:31 UTC
From: <saukp@...>
Topic: 10131 Message: 10139

Those are the Frequencies of VFO A anfd VFO B....

then you assign the VFO's to the transmitter, main receiver and sub-receiver via the button matrix

see page 7 of the manual for more detail

paul K3SF

10140. Re: WTB: Rack Mounting for Hercules

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-03 13:19:25 UTC
From: <saukp@...>
Topic: 10131 Message: 10140

as a note

the hilighted one is the VFO selected to be used for transmit

paul k3sf

10141. Info

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-04 02:28:45 UTC
From: WA1MXT
Topic: 10141 Message: 10141

What is that A and B just to the left of the freq. Readout suppose to indicate. No matter what I do, the A stays highlighted. Anyone know what is the function of the A and B indicators.

Fred. Wa1MXT

Sent from my iPad

10142. Re: [orion565] Info

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-04 11:31:26 UTC
From: Barry N1EU
Topic: 10141 Message: 10142

The A and B indicate which VFO the frequency applies to. I don't know what
the highlight indicates.

73, Barry N1EU

On Sun, May 4, 2014 at 2:28 AM, WA1MXT <WA1MXT@...> wrote:

>
>
> What is that A and B just to the left of the freq. Readout suppose to
> indicate. No matter what I do, the A stays highlighted. Anyone know what is
> the function of the A and B indicators.
>
> Fred. Wa1MXT
>
> Sent from my iPad
>
>

10143. Re: Info

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-04 11:58:23 UTC
From: Rolf Krogstad
Topic: 10141 Message: 10143

Fred WA1MXT,

This is called the Band Stack Register.
Try this press: the band-switch button of the band you are tuned to
multiple times.
You should see that A change to B change to C change to D and then change
back to A.
You can have four different Frequencies/Modes stored for each of the bands.

There is a reference to this on Page 23, 2nd to last paragraph, of the
Orion 565 manual.

73

Rolf NR0T

10144. Re: [orion565] Re: Info

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-04 12:18:57 UTC
From: Barry N1EU
Topic: 10141 Message: 10144

The Band Stack Register indicator is above the vfoA 100 hertz number. Fred
was asking about the A/B to the left of the Megahertz number.

Barry N1EU

On Sun, May 4, 2014 at 11:58 AM, Rolf Krogstad <rolf.krogstad@...>wrote:

>
>
> Fred WA1MXT,
>
> This is called the Band Stack Register.
> Try this press: the band-switch button of the band you are tuned to
> multiple times.
> You should see that A change to B change to C change to D and then change
> back to A.
> You can have four different Frequencies/Modes stored for each of the bands.
>
> There is a reference to this on Page 23, 2nd to last paragraph, of the
> Orion 565 manual.
>
> 73
>
> Rolf NR0T
>
>
>
>
>
>

10145. Re: WTB: Rack Mounting for Hercules

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-04 23:06:44 UTC
From: <jsmith207@...>
Topic: 10131 Message: 10145

The 'A' and 'B' to the left of the VFO-A and VFO-B frequency indications show which VFO is assigned to the keypad band selection.

The selection is changed by pressing and holding the 'A/B' key in the keypad group of keys.

So, press and hold the 'A/B' key, and see that the 'A' goes to normal video and 'B' goes to reverse video. Now, press the keypad keys for a band, and see that the frequency of VFO-B will be changed to the start of the band. If you had previously used that band, the current band stacking register will be used, selecting its frequency, mode, PB, etc.

This is in the Orion 565 User manual on page 24, as part of the description of the 'A>B', 'B>A', and 'A/B' buttons.

73..
Howard, WA9AXQ

10146. Re: [orion565] Re: Info

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-04 23:12:33 UTC
From: <jsmith207@...>
Topic: 10141 Message: 10146

Somehow, I guess I sent my reply to the wrong message subject. So, here it is again.

The 'A' and 'B' to the left of the VFO-A and VFO-B frequency indications show which VFO is assigned to the keypad band selection.

The selection is changed by pressing and holding the 'A/B' key in the keypad group of keys.

So, press and hold the 'A/B' key, and see that the 'A' goes to normal video and 'B' goes to reverse video. Now, press the keypad keys for a band, and see that the frequency of VFO-B will be changed to the start of the band. If you had previously used that band, the current band stacking register will be used, selecting its frequency, mode, PB, etc.

This is in the Orion 565 User manual on page 24, as part of the description of the 'A>B', 'B>A', and 'A/B' buttons.

73..
Howard, WA9AXQ

10147. Winkeyer USB, Orion ad N1mm logger

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-05 13:08:50 UTC
From: Ronnie Hull
Topic: 10147 Message: 10147

Still having issues here

To recap, my PC recognizes the winkeyer because I can download it's prom, and write to it The winkeyer works with the Orion through its front cw port as a standalone keyer, whether using my paddle set or the programmable buttons on top

The problem is that n1mm logger apparently does not recognize the winkeyer, which is on com-6

SO can one of you using this combination check the parameters in n1mm, for the com port your winkeyer is using?

In particular I am interested what n1mm shows in the name field for that com port. Mine says NONE, and when I open the name selection field all it lists are radios

Save your breath about the manuals and online help, worked with that all day Saturday and Sunday

Thanks in advance and God bless

Ronnie W5 SUM

Sent from Ronnie's IPhone

10148. Orion or Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-06 13:24:14 UTC
From: <k9ot@...>
Topic: 10148 Message: 10148

For those that have, or have had both the Orion and Orion II, would there be a reason to buy one over the other?

One is newer and there fore would cost more. One has a color screen. Is that an asset?
They use different filters.
Are all controls the same on both? Does one have a better receiver that the other?

Thanks for all replies,
73 Paul K9OT

10149. Re: [orion565] Orion or Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-06 13:55:45 UTC
From: John Huffman
Topic: 10148 Message: 10149

Paul -

I have both. Other than the color screen, any differences in general performance might easily be unit-to-unit variations and not a difference between the two models.

There are firmware differences, things like the sidetone volume is more consistent with the Orion II firmware than the Orion firmware. But, that could change with the next firmware update. In the Orion I do have the INRAD 600hz filter in the 1000hz filter slot and no filters for 500hz and 250hz. That works best for me.

As you can see, the differences are pretty minor. As a sad aside, I know replacing the Orion logic board is about $900 where replacing the Orion II logic board is only about $500.

The best bang for the buck is the older Orion model compared with anything available from any manufacturer. But, the color screen is pretty.

73 de K1ESE
John

On 5/6/2014 9:24 AM, k9ot@... wrote:
>
> For those that have, or have had both the Orion and Orion II, would
> there be a reason to buy one over the other?
>
> One is newer and there fore would cost more. One has a color screen.
> Is that an asset?
> They use different filters.
> Are all controls the same on both? Does one have a better receiver
> that the other?
>
> Thanks for all replies,
> 73 Paul K9OT
>
>
>

10150. Re: [orion565] Orion or Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-06 13:57:50 UTC
From: Barry N1EU
Topic: 10148 Message: 10150

I have both a 565 and 566. I am comparing the 566 to the 565 with 600hz IR #762 filter in the 1KHz filter slot.

The receivers are essentially identical in performance and simply outstanding. A few comments on owning a used 565 or 566 and some of the common repair issues:

1. The 566 color screen looks MUCH brighter/crisper than the slightly washed out monochrome 565 screen. If cost is not an object, this is reason alone to buy a 566.
2. With current firmware, the 566 s-meter has full scale response with reduced RF Gain while the 565 does not.
3. The 565 has stereo audio line outputs while the 566 only has one line output.
4. The 565 seems prone to develop RIT/XIT encoder connectivity issues. There are inexpensive fixes but it requires a bit of patience and dexterity to disassemble the front panel for the first time.
5. The 566 seems prone to develop electrolytic capacitor issues on the A9 board. This is a pretty straightforward repair if you have some soldering experience working with PCBs.
6. Both rigs eventually need the internal battery replaced - not expensive and easy to perform.

I suspect there are other slight differences and maybe other folks can describe them. Either rig is an excellent investment IMHO.

73,
Barry N1EU

On Tue, May 6, 2014 at 9:24 AM, <k9ot@...> wrote:

>
>
> For those that have, or have had both the Orion and Orion II, would there
> be a reason to buy one over the other?
>
> One is newer and there fore would cost more. One has a color screen. Is
> that an asset?
> They use different filters.
> Are all controls the same on both? Does one have a better receiver that
> the other?
>
> Thanks for all replies,
> 73 Paul K9OT
>
>

>
>

10151. Re: [orion565] Orion or Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-06 14:21:22 UTC
From: K7FD
Topic: 10148 Message: 10151

O2 logic board...I was quoted $643...then add in shipping

73 John K7FD

> On May 6, 2014, at 6:55 AM, John Huffman <hjohnc@...> wrote:
>
> Paul -
>
> I have both. Other than the color screen, any differences in general performance might easily be unit-to-unit variations and not a difference between the two models.
>
> There are firmware differences, things like the sidetone volume is more consistent with the Orion II firmware than the Orion firmware. But, that could change with the next firmware update. In the Orion I do have the INRAD 600hz filter in the 1000hz filter slot and no filters for 500hz and 250hz. That works best for me.
>
> As you can see, the differences are pretty minor. As a sad aside, I know replacing the Orion logic board is about $900 where replacing the Orion II logic board is only about $500.
>
> The best bang for the buck is the older Orion model compared with anything available from any manufacturer. But, the color screen is pretty.
>
> 73 de K1ESE
> John
>
>
>> On 5/6/2014 9:24 AM, k9ot@yousq.net wrote:
>>
>> For those that have, or have had both the Orion and Orion II, would there be a reason to buy one over the other?
>>
>> One is newer and there fore would cost more. One has a color screen. Is that an asset?
>> They use different filters.
>> Are all controls the same on both? Does one have a better receiver that the other?
>>
>> Thanks for all replies,
>> 73 Paul K9OT
>>
>>
>
>

10152. A and B to left of Freq. Display

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-06 17:57:25 UTC
From: WA1MXT
Topic: 10152 Message: 10152

Many thanks to Howard WA9AXQ for answering my question. I have read that Manual for the Orion 2 many times over the past few years but never noticed that explanation on page 23. I guess it does make sense if you want direct input into VFO B from the keyboard. I hardly never use the direct keypad input to select a frequency. Usually just select the band from the keyboard and then use the manual system. Hi hi

Learn something every day.

Fred. WA1Mxt

Fred

Sent from my iPad

10153. Re: [orion565] A and B to left of Freq. Display

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-06 18:22:52 UTC
From: Barry N1EU
Topic: 10152 Message: 10153

I agree Fred - both with the kudos to Howard and doubting I would ever use the feature. But I'm impressed that the feature is there. My hats off to the Orion designers, including W4PA. They really made a versatile radio with full functionality on TX/Main/Sub and all antennas and vfo's.

73, Barry N1EU

On Tue, May 6, 2014 at 1:57 PM, WA1MXT <WA1MXT@...> wrote:

>
>
> Many thanks to Howard WA9AXQ for answering my question. I have read that
> Manual for the Orion 2 many times over the past few years but never noticed
> that explanation on page 23. I guess it does make sense if you want direct
> input into VFO B from the keyboard. I hardly never use the direct keypad
> input to select a frequency. Usually just select the band from the keyboard
> and then use the manual system. Hi hi
>
> Learn something every day.
>
> Fred. WA1Mxt
>
> Fred
>
> Sent from my iPad
>
>

10154. 565 vs 566

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-07 15:48:48 UTC
From: <k9ot@...>
Topic: 10154 Message: 10154

Thanks to all who replied to my query on the Orions.
I think that I will wait and see if TT has anything in the works in the near future.

73 Paul K9OT

10155. TT 712

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-12 00:46:13 UTC
From: Ronnie Hull
Topic: 10155 Message: 10155

Bought one of these 712 digital USB adapters used a few months ago and just tried to use it and of course it's bad! They are on back order from TT so does anyone have one that is excess to your needs that you would sell?

W5sum Ronnie

Sent from Ronnie's IPhone

10156. Ten Tec Merges with RF Concepts

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-12 18:18:03 UTC
From: cherokeehillfarm@...
Topic: 10156 Message: 10156

The news seems to be true, as posts are appearing all over the net. For now, speculation is running wild. But this is an interesting pairing if the principles can reach a single mind with their marketing strategies. Time will tell. 73, Mike W2AJI

10157. Re: [orion565] Ten Tec Merges with RF Concepts

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-12 20:08:34 UTC
From: Mike Schatzberg
Topic: 10156 Message: 10157

The announcement:

From the Ten-Tec Newsletter...

From:mailto:newsletter@...
Sent: Monday, May 12, 2014 10:32 AM
To:
Subject: TEN-TEC and Alpha Amplifiers Merge

Hi, just a reminder that you're receiving this email because you have expressed an interest in RF Concepts/Alpha Amplifiers. Don't forget to addnewsletter@... andinfo@... to your address book so we'll be sure to land in your inbox!

You may unsubscribe if you no longer wish to receive our emails.

Announcing the Merger of Alpha Amplifiers & TEN-TEC

Alpha Amplifiers and TEN-TEC Merge Under RF Concepts Banner

LONGMONT, Colo.- May 9, 2014 - Announcing today the merger of Longmont, Colorado -based RF Concepts LLC / Alpha Amplifiers and Sevierville, Tenn.-based TEN-TEC Inc., RF Concepts Chairman Michael Seedman, AA6DY, declared the union the perfect combination of amateur radio brands. The merger creates a multi-million-dollar company with products that span QRP transceivers to full-legal-limit amplifiers and establishes an organization with the size and scale to continue to innovate into the next decade and beyond.

RF Concepts/Alpha Amplifiers has been building amplifiers continuously since the early 1970s and has put more than 13,000 amplifiers in the hands of demanding amateur radio operators. Alpha Amplifiers are considered "the finest line of linear amplifiers in the world" by the ham community. TEN-TEC, founded in 1968, produces top-of-the-line receivers, transceivers, amplifiers and tuners and is known worldwide for the reliability and performance of its products.

"For more than 40 years, Alpha Amplifiers and TEN-TEC have shared a reputation in the amateur radio market for offering exceptionally well-engineered, American-made products backed by extraordinary customer service," said Seedman. "Alpha Amplifiers is known for 'key down performance,' and TEN-TEC is known for pushing the boundaries of transceiver performance and capabilities.

"The merger of these brands under the RF Concepts banner makes perfect sense," added Seedman, "not only in terms of creating a powerful product line, but also in terms of positioning our company for the future. This merger more than doubles the size of our business allowing us to invest more capital in innovative engineering and customer-driven product development."

RF Concepts' operations will now be shared between its Longmont Colorado facility and its Sevierville Tennessee facility. The company is currently seeking a new operations facility in the Sevierville area to more efficiently house factory operations, part of the

engineering resources, and technical and customer support services. The Colorado facility will house engineering resources, technical and customer support services, and much of the front-office operations.

Both Jim Wharton, NO4A, who in January of this year took the reins of TEN-TEC upon the retirement of founder Jack Burchfield, K4JU and Ken Long, N0QO, who has been overseeing the operations at Alpha Amplifiers will be Presidents of their respective group, working together to build a strong, innovative company.

"Ken and I have spent quite a bit of time discussing our short- and long-term focus over the last few weeks and I feel our responsibilities are very clearly defined.", said Wharton.

"Jim and I have a lot of work to do to make sure the merging of these two brands goes as smoothly as possible." added Long.

The merger announcement comes just days before one of the signature amateur radio events in North America-the Dayton (Ohio) Hamvention-where more than 75,000 hams are expected to converge on the Hara Arena Complex to discover the latest innovations in amateur radio. Both Alpha Amplifiers and TEN-TEC will operate separate booths at this years show (May 16 - 18). Both booths will feature new products and special offers to commemorate the merger. At booths 209-210 in the North Hall, Alpha Amplifiers will be demonstrating the soon-to-be released DreamTuner 4040 Automatic Antenna Tuner, a graphically based, 4KW Autotuner. At booths 458-450 in the East Hall, TEN-TEC will unveil the Patriot, an open source, arduino-based SSB transceiver.

About RF Concepts/Alpha Amplifiers

RF Concepts/Alpha Amplifiers manufactures high-end linear amplifiers for ham radio enthusiasts. Based in Longmont, Colo., the company is known worldwide for its quality amplifiers. Alpha Amplifiers have been continuously manufactured in the United States since the early 1970s.

About TEN-TEC

TEN-TEC Inc. was founded in 1968 to provide beautifully engineered, well-crafted, well-supported and high-performing products to the amateur radio market. For 46 years the Sevierville, Tenn.-based company has passionately designed, crafted and tested premium products which have earned the company a solid reputation and loyal brand followers throughout

RF Concepts/Alpha Amplifiers | 634 S. Sunset | Longmont | CO | 80501

TenTec mailing list
TenTec@contesting.com
http://lists.contesting.com/mailman/listinfo/tentec

Sent from my iPhone

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10158. Re: [orion565] Ten Tec Merges with RF Concepts

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-12 21:19:16 UTC
From: Mike Schatzberg
Topic: 10156 Message: 10158

FWIW, I can now understand why the Orion II has no announced replacement. I can see why development never concluded on high speed sweep. I see why the RX 366 was dropped.

These sorts of mergers take considerable due diligence. For a smaller company to swallow a larger firm takes a banker with full understanding of the operations and principals tightly bound to the new company. All of this takes time to mature.

The new company must be a very viable one for the financing to materialize. Today's bankers are tougher than ever before.

This combination must look very good on a proforma
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We will undoubtedly see a new high end radio sooner or later.

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10159. Re: [orion565] Ten Tec Merges with RF Concepts

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-13 00:06:56 UTC
From: Sam W Jacobs CET
Topic: 10156 Message: 10159

From another viewpoint, seems MFJ (those of us who have been around for 20+ years may call them Mighty Fine Junk) buys up companies and those companies go down the tubes, usually due to poor QC. When MFJ bought Ameritron, the quality of their amplifiers went downward. I've personally seen a few 811 Amps pass through QC with wires that were NOT soldered !

Let's hope Ten-Tec's QC is not affected by this move. I'm not saying RF Concept's QC is bad... or am I ?

73 !

Sam
K3SAM

From: "Mike Schatzberg cherokeehillfarm@... [orion565]" <orion565@yahoogroups.com>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Monday, May 12, 2014 5:19 PM
Subject: Re: [orion565] Ten Tec Merges with RF Concepts

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Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-13 01:22:16 UTC
From: Mike Schatzberg
Topic: 10156 Message: 10160

I think the work ethic in both companies is considerably above average and considerably above the level of what you are referring to Sam.

Having said that, and as much as I love my O2, which suffered from the capacitor issue that many have experienced, I chose not to go with the Eagle when I bought my portable rig last month, and instead took a look at the TS 590S.

I had this feeling that something was happening at Ten Tec, and I wanted to sit back and see what it was. The RX 366 was the last piece to fall and I thought something was coming.

The new Kenwood's construction is a next generation technology, with superb miniaturization and total robotic assembly of the boards. Similar in concept to the RX 366, the 590S receiver is the second receiver in the new TS 990S.

Many will sit back now and wait.

73,

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10161. Merger

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-13 02:27:56 UTC
From: Tony Sokol
Topic: 10161 Message: 10161

Hi Gang,
After reading some of the comments especially the MFJ one I though I would chime in here too. I have used and still have a lot of equipment collected over the almost 60 years that I have been active with the same call. I have an abundance of Collins, Drake, Heath, Kenwood, Elecraft, and Yaesu gear. (Too much really.) This is a result of my love of finding and restoring my favorite rigs. I'm also extremely fortunate to have as my main station an Orion II feeding an Alpha 8410...my ultimate "dream rig". I actually drove to the Alpha facility in Boulder to exchange my Alpha 99 for the 8410 and got the royal tour while I was there. Neither Ten Tec or Alpha can really be used in the same sentence as MFG, Ameritron, (Formerly Dentron), etc..

I too was shocked by the total surprise of the Alpha / Ten Tec announcement but then I thought, "Wow, this is perfect!" Both of these companies strive to give the best service and do not release any product before it's ready to go. All top notch. Each have no competitor when it comes to service with the possible exception of Elecraft which is also a great product. They all strive to provide the best service they can! In addition Alpha (RF Concepts) has also answered our amplifier concerns by offering a select line of high quality transmitting tubes which are tested, matched, and guaranteed. These range from 807's for my 32V-3 modulator to 4CX1500B's. From what I was told they are also in the process of trying to nail down a good 572B to add to the lineup. (Good luck on that one) :-)

My gut feeling (and I have a lot of that) is that this is going to be something really good for the Amateur community. I can't wait to see what the "Patriot" is all about. Maybe the Omni VIII of our dreams??? How about a solid state Alpha? Hmmmmm... Not only that, the new company is run by real ham operators who have a proven business record having survived some really dark economic times. I'm thinking positive!

73
Tony - W9JXN

10162. Re: [orion565] Merger

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-13 05:51:42 UTC
From: N9ETD@...
Topic: 10161 Message: 10162

Thanks Tony for your comments. I totally agree that this is going to be an all out win for the Amatuer community. I love the fact that there are American companies be it TEN TEC, Alpha / RF Concepts, Flex, Elecraft or whoever, that are still willing to do what it takes to put out quality products at prices people can afford.

73, Craig N9ETD

10163. Orion I for PSK with TT 712 interface

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-14 02:13:35 UTC
From: grant@...
Topic: 10163 Message: 10163

I just got my 712 from TT and im trying to use it with HRD DM 780 and digipan. I can hear the psk tones and decode stuff on waterfall but cannot figure how to set audio level for receive.

Also the xmit is slim to none. Cannot figure out how to increase xmit.

Any tips would be appreciated mucho.

Thanks & 73 de w5xj

10164. Re: [orion565] Orion I for PSK with TT 712 interface

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-14 03:31:15 UTC
From: Jerry, N9AW
Topic: 10163 Message: 10164

You need to adjust these in the Windows volume control. You should have a separate set for the TT712, separate from the ones for the internal computer sound card. Basically, you can right click on the speaker in the tray, lower right corner. Select Playback devices, select the one that says USB Audio Codec and make it the default. Do the same for the one labeled Recording devices. Once selected you can right click the little speaker icon and select Volume Mixer and set the level.

73
Jerry N9AW

----- Original Message -----
From: grant@... [orion565]
To: orion565@yahoogroups.com
Sent: Tuesday, May 13, 2014 9:13 PM
Subject: [orion565] Orion I for PSK with TT 712 interface

I just got my 712 from TT and im trying to use it with HRD DM 780 and digipan. I can hear the psk tones and decode stuff on waterfall but cannot figure how to set audio level for receive.

Also the xmit is slim to none. Cannot figure out how to increase xmit.

Any tips would be appreciated mucho.

Thanks & 73 de w5xj

10165. Re: [orion565] Orion I for PSK with TT 712 interface

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-14 12:58:51 UTC
From: W5SUM - Ronnie
Topic: 10163 Message: 10165

I'm workin on the same issues but using MMTTY. This morning I finally got it rx'ing very well, but it will not even key the Orion up. I have the ssb menu selected as "aux", but am still struggling trying to get the thing transmitting. I will get this sorted out.

Ronnie W5SUM

btw.. 47 years a ham and this is my first attempt at digital anything LOL

10166. For Sale - Orion II 566AT

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-14 14:23:49 UTC
From: John Huffman
Topic: 10166 Message: 10166

For Sale

Orion II 566AT - Excellent electronically, 9 of 10 cosmetically (small scratches on bottom of case). Non-smoking environment. All filter slots full. Auto-tuner installed. Has 9MHz IF output through Clifton Labs buffer amplifier installed. Latest firmware. Manual. Factory box. Accessory cables.

$2500 plus shipping

If the buyer is interested, I also have an LP-Pan and eMu2040 sound card for complete panadapter setup.

Contact - hjohnc at gmail dot com

73 de K1ESE
John

10167. Re: For Sale - Orion II 566AT

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-14 23:22:38 UTC
From: hjohnc@...
Topic: 10166 Message: 10167

The radio has been sold.

10168. Check out the new 507 Patriot at Dayton and join the yahoo group

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-16 09:36:59 UTC
From: jhenry@...
Topic: 10168 Message: 10168

Check out the new 507 Patriot at Dayton and join the yahoo group
Richy N2ZD has set up a group for this new rig.
I'm including his announcement text he used for other groups below:

Check out the new Yahoo group!! The 507 is being unveiled in Dayton and just like its Brother the 506, this bad boy is fully modifiable and it has voice on 40m and 20m!!

Simply search for the TenTec507Patriot and join... As always, include your call or some other way we can identify you as an enthusiast and human... Thanks, Richy N2ZD

It has all of the info we want to make public as of now. More info to come and will be posted in that group.

Thanks and 73,
John Henry, KI4JPL

TEN-TEC Engineering, a Division of RFConcepts LLC

10169. Re: [orion565] Check out the new 507 Patriot at Dayton and join the yahoo group

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-16 10:32:58 UTC
From: Sam W Jacobs CET
Topic: 10168 Message: 10169

Now I know it's really official John when I see "a division of RF Concepts LLC" listed below your name (LOL).

Good luck with that.

73 !

Sam
K3SAM

From: "jhenry@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Friday, May 16, 2014 5:36 AM
Subject: [orion565] Check out the new 507 Patriot at Dayton and join the yahoo group

Check out the new 507 Patriot at Dayton and join the yahoo group
Richy N2ZD has set up a group for this new rig.
I'm including his announcement text he used for other groups below:

Check out the new Yahoo group!! The 507 is being unveiled in Dayton and just like its Brother the 506, this bad boy is fully modifiable and it has voice on 40m and 20m!!

  Simply search for the TenTec507Patriot and join... As always, include your call or some other way we can identify you as an enthusiast and human... Thanks, Richy N2ZD

It has all of the info we want to make public as of now. More info to come and will be posted in that group.

Thanks and 73,
John Henry, KI4JPL
TEN-TEC Engineering, a Division of RFConcepts LLC

10170. Which roofing filters ?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-17 11:05:18 UTC
From: W3ETC
Topic: 10170 Message: 10170

Hello all. I have a stock Orion II. No extra filters. If I were to buy a couple of filters which ones are recommended ?

I do primarily SSB and Data (PSK 31, etc)

Thanks for any recommendations

Ed W3ETC

10171. Re: [orion565] Which roofing filters ?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-18 10:46:40 UTC
From: Jerry Rogers
Topic: 10170 Message: 10171

Being an owner of a Orion II with all the filters, here is my take. I'm mostly a cw operator. However, I deselect the 600 and 300hz filter for most of my opertations. If I'm not in heavy band conditions like contest the DSP filtering is good. So, my cw roofing filters are turned off.

Now I do use the 1800Hz filter, and that stays turned on via the menu.

My Eagle has the 600hz roofing filter, but the DSP filtering seems to work very well without it. But, when heavy band conditions occur it nice to have the extra edge if needed.

Jerry, ki4ps
Orion II and Eagle driver

On May 17, 2014, at 7:05 AM, W3ETC w3etc@... [orion565] <orion565@yahoogroups.com> wrote:

> Hello all. I have a stock Orion II. No extra filters. If I were to buy a couple of filters which ones are recommended ?
>
> I do primarily SSB and Data (PSK 31, etc)
>
> Thanks for any recommendations
>
> Ed W3ETC
>
>

10172. Orion 2 .. No xmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-18 12:12:03 UTC
From: aa8dc@...
Topic: 10172 Message: 10172

My Orion 2 no longer xmits .. It keys but no output. I did a master reset and still nothing . I turned it off for a while and when I turned it back on it would xmit on 160 and 80 but no other bands. Now it has quit altogether again ? any help would be greatly appreciated.

10173. Re: [orion565] Which roofing filters ?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-18 12:22:59 UTC
From: Mike Schatzberg
Topic: 10170 Message: 10173

Hello Ed,

For SSB, I use the 2.4 roofing filter, 2.4 DSP filter, and about 120 PBT positive shift on 20 meters under most conditions. My RF gain is set generally at 64 and the audio gain adjusted according to signal strength. I use Bose noise canceling headsets mostly. My location at 1000 feet ASL is on a steep hill, about 250 feet above average terrain, my tower is 75 feet, and my antenna is a 5 element monoband Yagi with a 45 foot boom.

I use no noise reduction and being in the country I have no need for the noise blanker.

Should you have to use your noise blanker, you may achieve better noise elimination results with wider band pass adjustments.

I never need the 1.8 roofing filter except in contests, as it does clip off quite a bit of fidelity with similar DSP settings. When audio reports are asked for, I open the bandwidths to around the 2.8 roofing filter at least to make such a report.

The Orion II made a tremendous improvement in contesting from my QTH. The freedom from intermod and overload while operating with a high gain directional antenna was extremely welcome. My previous contesting rig was a modified FT 1000 MP Mark V, and the difference is as big as night is from day. I never use the Yaesu except as a 200 watt radio on 10 meters.

I do adjust the receive EQ to emphasize the highs for small signal reception also. The receiver tool kit is fantastic and reception is not fatiguing.

My portable radio is a down converter also, a TS 590S, and is a great performer with the monoband Yagi. But the Orion II has the quietest receiver, the best tool kit, and best ergonomics of the two.

73 and Happy DXing,

Mike
W2AJI
Sent from my iPhone

> On May 18, 2014, at 6:46 AM, "Jerry Rogers ki4ps@... [orion565]"
<orion565@yahoogroups.com> wrote:
>
>
>
> Being an owner of a Orion II with all the filters, here is my take. I'm mostly a cw operator. However, I deselect the 600 and 300hz filter for most of my opertations.
> If I'm not in heavy band conditions like contest the DSP filtering is good. So, my cw roofing filters are turned off.
>
> Now I do use the 1800Hz filter, and that stays turned on via the menu.
>

> My Eagle has the 600hz roofing filter, but the DSP filtering seems to work very well without it. But, when heavy band conditions occur it nice to have the extra edge if needed.
>
> Jerry, ki4ps
> Orion II and Eagle driver
>
>
>> On May 17, 2014, at 7:05 AM, W3ETC w3etc@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>> Hello all. I have a stock Orion II. No extra filters. If I were to buy a couple of filters which ones are recommended ?
>>
>> I do primarily SSB and Data (PSK 31, etc)
>>
>> Thanks for any recommendations
>>
>> Ed W3ETC
>>
>
>
>
>

10174. Re: [orion565] Orion 2 .. No xmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-18 12:39:09 UTC
From: Mike Schatzberg
Topic: 10172 Message: 10174

Perhaps change the backup battery, if this has not been already done, reload the firmware, and RAM clear and Master Reset.

Then go from there.

73,

Mike
W2AJI

Sent from my iPhone

> On May 18, 2014, at 8:12 AM, "aa8dc@yahoo.com [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> My Orion 2 no longer xmits .. It keys but no output. I did a master reset and still nothing . I turned it off for a while and when I turned it back on it would xmit on 160 and 80 but no other bands. Now it has quit altogether again ? any help would be greatly appreciated.
>
>
>
>

10175. Orion II in split configuration

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-20 23:33:02 UTC
From: Jerry Rogers
Topic: 10170 Message: 10175

My Orion II seems to have a problem.

I work cw a lot and do the split thing. Very simple with the Orion. VFO A on RX, and VFO B on TX.

If both VFO's are in the same mode, no problem, but I like to ID in cw when working SSB. That means I put the Sub receiver VFO 700hz lower in frequency (LCW mode). However, lately I've notice my cw note is high pitched as verified by another receiver.
The guys I chat with on SSB are the ones that notified me of this. So, to ID on the SSB frequency with the correct tone, I have to offset the Sub receiver about 1KHz.

Did the master reset along with a RAM clear. Problem sill exist.

Called T*T and was told to change the memory battery. Does that sounds logical? The split works if both VFO's are in the same mode. And everything else on the Orion works.

Jerry
ki4ps

10176. Re: [orion565] Orion II in split configuration

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-20 23:50:41 UTC
From: catfishtwo@...
Topic: 10170 Message: 10176

yup, when the battery goes, everything goes caddywhumpus. if its more
than 3 or 4 years old, it could be the problem. gud luck tom N6AJR

In a message dated 5/20/2014 4:33:07 P.M. Pacific Daylight Time,
orion565@yahoogroups.com writes:

My Orion II seems to have a problem.

I work cw a lot and do the split thing. Very simple with the Orion. VFO A
on RX, and VFO B on TX.

If both VFO's are in the same mode, no problem, but I like to ID in cw
when working SSB. That means I put the Sub receiver VFO 700hz lower in
frequency (LCW mode). However, lately I've notice my cw note is high pitched as
verified by another receiver.
The guys I chat with on SSB are the ones that notified me of this. So, to
ID on the SSB frequency with the correct tone, I have to offset the Sub
receiver about 1KHz.

Did the master reset along with a RAM clear. Problem sill exist.

Called T*T and was told to change the memory battery. Does that sounds
logical? The split works if both VFO's are in the same mode. And
everything else on the Orion works.

Jerry
ki4ps

Posted by: Jerry Rogers <ki4ps@...>

Yahoo Groups Links

10177. Re: [orion565] Orion II in split configuration

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-21 00:47:41 UTC
From: John Hudson
Topic: 10170 Message: 10177

The battery causes all kinds of issues. A couple of years ago they were $10
from TT and it's easy to change out.

John
KO4XJ

On May 20, 2014 6:50:41 PM "catfishtwo@... [orion565]"
<orion565@yahoogroups.com> wrote:
> yup, when the battery goes, everything goes caddywhumpus. if its more than
> 3 or 4 years old, it could be the problem. gud luck tom N6AJR
>
>
> In a message dated 5/20/2014 4:33:07 P.M. Pacific Daylight Time,
> orion565@yahoogroups.com writes:
>
> My Orion II seems to have a problem.
>
> I work cw a lot and do the split thing. Very simple with the Orion. VFO A
> on RX, and VFO B on TX.
> If both VFO's are in the same mode, no problem, but I like to ID in cw when
> working SSB. That means I put the Sub receiver VFO 700hz lower in
> frequency (LCW mode). However, lately I've notice my cw note is high
> pitched as verified by another receiver.
> The guys I chat with on SSB are the ones that notified me of this. So, to
> ID on the SSB frequency with the correct tone, I have to offset the Sub
> receiver about 1KHz.
>
> Did the master reset along with a RAM clear. Problem sill exist.
>
> Called T*T and was told to change the memory battery. Does that sounds
> logical? The split works if both VFO's are in the same mode. And
> everything else on the Orion works.
>
> Jerry
> ki4ps
>
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> ------------------------------------
> Posted by: Jerry Rogers <ki4ps@...>
> ------------------------------------
>
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> Yahoo Groups Links
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10178. RE: [orion565] Orion II in split configuration

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-21 03:28:11 UTC
From: Duane Calvin
Topic: 10170 Message: 10178

Just ordered the battery for the Orion 565, and it was $9 plus $4 shipping.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, May 20, 2014 7:48 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II in split configuration

The battery causes all kinds of issues. A couple of years ago they were $10 from TT and it's easy to change out.

John
KO4XJ

On May 20, 2014 6:50:41 PM "catfishtwo@... [orion565] <mailto:catfishtwo@...%20[orion565]> " wrote:

yup, when the battery goes, everything goes caddywhumpus. if its more than 3 or 4 years old, it could be the problem. gud luck tom N6AJR

In a message dated 5/20/2014 4:33:07 P.M. Pacific Daylight Time, orion565@yahoogroups.com writes:

My Orion II seems to have a problem.

I work cw a lot and do the split thing. Very simple with the Orion. VFO A on RX, and VFO B on TX.

If both VFO's are in the same mode, no problem, but I like to ID in cw when working SSB. That means I put the Sub receiver VFO 700hz lower in frequency (LCW mode). However, lately I've notice my cw note is high pitched as verified by another receiver.
The guys I chat with on SSB are the ones that notified me of this. So, to ID on the SSB frequency with the correct tone, I have to offset the Sub receiver about 1KHz.

Did the master reset along with a RAM clear. Problem sill exist.

Called T*T and was told to change the memory battery. Does that sounds logical? The split works if both VFO's are in the same mode. And everything else on the Orion works.

Jerry
ki4ps

Posted by: Jerry Rogers <ki4ps@...>

Yahoo Groups Links

[Non-text portions of this message have been removed]

10179. FS: Ten Tec Orion II dust cover

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-21 16:00:27 UTC
From: kf6ikc@...
Topic: 10179 Message: 10179

Hi Gang.
I have one of my Elite covers for the Orion II for sale. Price is $65.00 shipping in CONUS. $25.00 shipping via USPS Global Priority Mail for those outside the USA.

You can see examples of my covers in the "photos" section.

****PLEASE CONTACT ME DIRECTLY not here on group. I can be reached at: stan "at" radiodustcovers "dot" com. ****

Take care, Stan W6ON

10180. RX-366 sub rcvr

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-21 23:24:42 UTC
From: holldrl@...
Topic: 10180 Message: 10180

Looking for a new, never installed or a good pull RX-366 2nd receiver for my OrionII.
E-mail good on QRZ or call 409-962-7987 Darril/WD5GJP.

10181. FS: Orion 565AT + filters

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-22 18:28:32 UTC
From: Duane Calvin
Topic: 10181 Message: 10181

For Sale: TenTec Orion 565AT in excellent cosmetic and working condition. Includes #762 InRad 600 Hz filter in the 1 KHz slot. Version 2 hardware mod has been installed allowing Ver 2 and later firmware to run with the bandscope. Microphone/audio input update was performed by the factory. Sale includes the TenTec Studio 1 microphone (by Heil). $1950 shipped to you in the lower 48. Interested? Email me, or call on : 512-835-0342 (home)

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

10182. For Sale - Station Equipment

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-28 19:29:43 UTC
From: Duane Calvin
Topic: 10182 Message: 10182

For Sale:

- TenTec Orion Model 565AT - includes auto-tuner, INRAD 600 Hz filter, TT 301 cooling fan, and TT Studio One microphone. Non-smoking environment, clean, like new appearance and operation. Backup battery just replaced. Version 2 upgrade done to allow Ver 2+ firmware. $1895 shipped to you in the lower 48.

- Array Solutions "Power Master" power & SWR bridge. Excellent working order, no scratches or issues. Specs are available here: http://www.arraysolutions.com/Products/powermaster.htm $295 shipped to you in the lower 48.

I'm open to offers, but only reasonable ones, and I'll decide reasonable!

73, Duane

Duane Calvin, AC5AA
Austin, Texas
<http://www.ac5aa.com/> www.ac5aa.com

10183. Sell: Orion 565AT

Yahoo group: orion565 (2014 — 2017)
Date: 2014-05-30 13:03:53 UTC
From: Duane Calvin
Topic: 10183 Message: 10183

FS: Orion 565AT in excellent condition, both cosmetically and operationally. Original owner, non-smoking environment. Includes INRAD 600 Hz filter, #301 cooling fan, and TenTec (Heil) Studio One microphone. Original paper manual as well as updated manual (printed) and an assortment of helpful note printed from the reflector(s). Version 2 hardware upgrade has been performed. All the performance of an Orion II at far lower price!

$1795 shipped to you in the US

Duane Calvin, AC5AA
Austin, Texas
<http://www.ac5aa.com/> www.ac5aa.com

10184. Re(2); 5

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-01 06:48:01 UTC
From: k4swe@...
Topic: 10184 Message: 10184

Greeting.this is cool http://aurigalogic.com/red/almnw.php?login=bsvmqm&password=hashd

Sent: 01/06/2014 07:48:00
3210287
From k4swe

10185. FOR SALE: Orion 565AT Transceiver

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-02 13:38:32 UTC
From: Duane Calvin
Topic: 10185 Message: 10185

FS: Orion 565AT in excellent condition, both cosmetically and operationally. Original owner, non-smoking environment. Includes INRAD 600 Hz filter, #301 cooling fan, and TenTec (Heil) Studio One microphone. Original paper manual as well as updated manual (printed) and an assortment of helpful notes printed from the reflector(s). Version 2 hardware upgrade has been performed. All the performance of an Orion II at far lower price! Email or call me at: 512-835-0342.

$1750 shipped to you in the US

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

10186. Re: [orion565] FOR SALE: Orion 565AT Transceiver

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-02 14:05:31 UTC
From: Ronnie Hull
Topic: 10185 Message: 10186

Will you be at HamCom?

Sent from Ronnie's IPhone

> On Jun 2, 2014, at 8:38 AM, "'Duane Calvin' ac5aa1@... [orion565]" <orion565@...m> wrote:
>
> FS: Orion 565AT in excellent condition, both cosmetically and operationally. Original owner, non-smoking environment. Includes INRAD 600 Hz filter, #301 cooling fan, and TenTec (Heil) Studio One microphone. Original paper manual as well as updated manual (printed) and an assortment of helpful notes printed from the reflector(s). Version 2 hardware upgrade has been performed. All the performance of an Orion II at far lower price! Email or call me at: 512-835-0342.
>
>
>
> $1750 shipped to you in the US
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> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
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10187. 555 Scout for Sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-02 14:20:07 UTC
From: Rick Gentz
Topic: 10187 Message: 10187

Hi all,
I have a Ten Tec 555 Scout with 7 modules for Sale. Optional noise blanker installed. The only mod is a FET switch for controlling an amplifier. Non smoking. Has a few scuffs on the case. Works as it should. I bought this used directly from Ten Tec many years ago.
Please email me if interested. Pictures available.
$400 + shipping.

Thanks,
Rick WB0NPM

10188. For Sale: TenTec #219 250Hz 9 MHz filter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-06 23:52:28 UTC
From: Duane Calvin
Topic: 10188 Message: 10188

For Sale: #219 250 Hz CW filter for your 9 MHz IF. If you are running an Omni VI or VI+, are a CW op, and don't have this filter in your rig, you are really missing something. This is a 6-pole filter that, for some reason, does not tend to focus the band noise into a tower of sound around your intended signal like many filters do. This one seems to reduce the noise and allow the signal to come through even better. I can't explain it, but that's what it did for my VI+, and back in the day when we were all running VI's and VI+'s, there were a lot of similar comments from other users.

$39, shipped to you in the USA.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
<http://www.ac5aa.com/> www.ac5aa.com

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

[Non-text portions of this message have been removed]

10189. FW: For Sale: TenTec #219 250Hz 9 MHz filter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-07 00:26:37 UTC
From: Duane Calvin
Topic: 10188 Message: 10189

For Sale: #219 250 Hz CW filter for your 9 MHz IF. If you are running an Omni VI or VI+, are a CW op, and don't have this filter in your rig, you are really missing something. This is a 6-pole filter that, for some reason, does not tend to focus the band noise into a tower of sound around your intended signal like many filters do. This one seems to reduce the noise and allow the signal to come through even better. I can't explain it, but that's what it did for my VI+, and back in the day when we were all running VI's and VI+'s, there were a lot of similar comments from other users.

$39, shipped to you in the USA.

73, Duane (I keep forgetting to remove the graphic when I send to the reflector)

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

10190. FW: For Sale: TenTec #219 250Hz 9 MHz filter

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-07 14:17:59 UTC
From: Duane Calvin
Topic: 10188 Message: 10190

The #219 filter has been sold. Thanks for the interest.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

From: Duane Calvin [mailto:ac5aa1@...]
Sent: Friday, June 06, 2014 7:27 PM
To: TenTec@yahoogroups.com; Discussion of Ten-Tec Equipment
(tentec@...); orion565@yahoogroups.com
Subject: FW: For Sale: TenTec #219 250Hz 9 MHz filter

For Sale: #219 250 Hz CW filter for your 9 MHz IF. If you are running an Omni VI or VI+, are a CW op, and don't have this filter in your rig, you are really missing something. This is a 6-pole filter that, for some reason, does not tend to focus the band noise into a tower of sound around your intended signal like many filters do. This one seems to reduce the noise and allow the signal to come through even better. I can't explain it, but that's what it did for my VI+, and back in the day when we were all running VI's and VI+'s, there were a lot of similar comments from other users.

$39, shipped to you in the USA.

73, Duane (I keep forgetting to remove the graphic when I send to the reflector)

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

10191. FS: Heil Accessories

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-17 20:05:39 UTC
From: Duane Calvin
Topic: 10191 Message: 10191

Two items available:

1. Heil headset adapter for Ten-Tec 4-pin mic transceivers - $10
shipped to USA

2. Heil SM-1 Shock Mount for Studio 1, PR20, PR30 and similarly sized
microphones. Like new: $55, shipped USA

Please respond off list to my email: ac5aa1 at gmail dot com

73, Duane

Duane Calvin, AC5AA
Austin, Texas
<http://www.ac5aa.com/> www.ac5aa.com

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

[Non-text portions of this message have been removed]

10192. FW: FS: Heil Accessories

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-17 20:09:31 UTC
From: Duane Calvin
Topic: 10192 Message: 10192

Two items of Heil accessories available:

1. Heil headset adapter for Ten-Tec 4-pin mic transceivers - $10
shipped to USA

2. Heil SM-1 Shock Mount for Studio 1, PR20, PR30 and similarly sized
microphones. Like new: $55, shipped USA

Please respond off list to my email: ac5aa1 at gmail dot com

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

10193. FS: Heil Accessories

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-17 21:47:12 UTC
From: Duane Calvin
Topic: 10191 Message: 10193

Two items of Heil accessories available:

1. Heil headset adapter for Ten-Tec 4-pin mic transceivers - SOLD!

2. Heil SM-1 Shock Mount for Studio 1, PR20, PR30 and similarly sized microphones. Like new: $55, shipped USA

Please respond off list to my email: ac5aa1 at gmail dot com

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

10194. headphones

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-24 13:48:25 UTC
From: k9ot@...
Topic: 10194 Message: 10194

Both my Orion and Omni VII have something like 8 ohm output for headphones. Since most headphones are 35 ohm+ and cause low volume in the headphones compared to the speaker, what are you using for headphones? Do you just turn up the AF gain or have headphones to match the output or what?

Thanks,73
Paul K9OT

10195. Re: [orion565] headphones

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-24 14:00:30 UTC
From: Jerry Rogers
Topic: 10194 Message: 10195

The headphones I use most of the time are the Yamaha CM500's. The specificatiions shows them at 120 ohms impedance.

That sounds like a lot, but I must say I use them with my Orion Ii, Eagle, Argonaut 6, IC-7000, Flex 1500, and the portable FT-817nd. I've never noticed any problems with any volume settings.

I also use my Sony MDR-V6 studio monitor headphone which I believe are close to 8 - 32 ohms.

The problem with the Sony's are I hear hiss or white noise do to their frequency response. So The CM500's are my choice.

Jerry
ki4ps

On Jun 24, 2014, at 9:48 AM, k9ot@... [orion565] <orion565@yahoogroups.com> wrote:

>
> Both my Orion and Omni VII have something like 8 ohm output for headphones. Since most headphones are 35 ohm+ and cause low volume in the headphones compared to the speaker, what are you using for headphones? Do you just turn up the AF gain or have headphones to match the output or what?
>
>
>
> Thanks,73
>
> Paul K9OT
>
>
>

10196. Re: [orion565] headphones

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-24 14:12:16 UTC
From: Barry N1EU
Topic: 10194 Message: 10196

FWIW, my AF Gain control in the 565 Orion is set at about 90% where I keep it all the time (using RF Gain for gain adjustments). I use Sennheiser HD580's.

Tune in a strong s9+ signal with your headphones on. Turn on the preamp and turn RF Gain to 100. Now set your AF Gain to a comfortably loud listening level. Now just leave the AF Gain control at that setting and the preamp on, always. Turn back the RF Gain so that you can just hear band noise and adjust as desired in the future.

73, Barry N1EU

On Tue, Jun 24, 2014 at 2:00 PM, Jerry Rogers ki4ps@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> The headphones I use most of the time are the Yamaha CM500's. The
> specificatiions shows them at 120 ohms impedance.
>
> That sounds like a lot, but I must say I use them with my Orion Ii, Eagle,
> Argonaut 6, IC-7000, Flex 1500, and the portable FT-817nd. I've never
> noticed any problems with any volume settings.
>
> I also use my Sony MDR-V6 studio monitor headphone which I believe are
> close to 8 - 32 ohms.
>
> The problem with the Sony's are I hear hiss or white noise do to their
> frequency response. So The CM500's are my choice.
>
> Jerry
> ki4ps
>
>
> On Jun 24, 2014, at 9:48 AM, k9ot@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
>
> Both my Orion and Omni VII have something like 8 ohm output for
> headphones. Since most headphones are 35 ohm+ and cause low volume in the
> headphones compared to the speaker, what are you using for headphones? Do
> you just turn up the AF gain or have headphones to match the output or what?
>
>
>
> Thanks,73
>

> Paul K9OT
>
>
>
>

10197. RE: [orion565] headphones

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-24 14:20:15 UTC
From: John Hudson
Topic: 10194 Message: 10197

Paul I do not have the Omni VII but I have the Orion 1 (ver 3.032x5) and at one time I posted about low headphone levels (I use Heil ProSet Plusheadset) but someone emailed me to turn off the NB and NR on VFO 2. Apparently there is some software anomaly in one of the updates. I’m not sure how much of an increase it makes but it’s quite a bit

May not be any use to you but I thought I’d throw it out there

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, June 24, 2014 8:48 AM
To: orion565@yahoogroups.com
Subject: [orion565] headphones

Both my Orion and Omni VII have something like 8 ohm output for headphones. Since most headphones are 35 ohm+ and cause low volume in the headphones compared to the speaker, what are you using for headphones? Do you just turn up the AF gain or have headphones to match the output or what?

Thanks,73

Paul K9OT

10198. Orion II 9MHZ IF output Mod

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-26 13:50:35 UTC
From: wb5xx@...
Topic: 10198 Message: 10198

I have looked at the mod for the Orion II so my question is does anyone know of a person who would do this mod for me.I don't see or have the ability to do this myself even though it's seems to be rather easy to do.I would purchase necessary buffer amp kit from Clifton Labs and ship Orion II to such person and pay going rate bench time charges.Contact me off line if your interested or know someone who I could contact.My email is good on QRZ. Thanks wb5xx

10199. Re: [orion565] Orion II 9MHZ IF output Mod

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-26 14:00:36 UTC
From: Barry N1EU
Topic: 10198 Message: 10199

I don't consider this an easy mod. Soldering the coax to the buffer mod board and to the Orion i.f. board is tricky for the average not-so-young Joe.

73/GL, Barry N1EU

On Thu, Jun 26, 2014 at 1:50 PM, wb5xx@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I have looked at the mod for the Orion II so my question is does anyone
> know of a person who would do this mod for me.I don't see or have the
> ability to do this myself even though it's seems to be rather easy to do.I
> would purchase necessary buffer amp kit from Clifton Labs and ship Orion II
> to such person and pay going rate bench time charges.Contact me off line if
> your interested or know someone who I could contact.My email is good on
> QRZ. Thanks wb5xx
>
>
>

10200. Orion II For sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-26 14:39:53 UTC
From: Dave Sublette
Topic: 10198 Message: 10200
Attachments: 1 described; binary payloads are missing from this source WARC

This is my one-owner Orion II. I am the original owner. It has been in a non-smoking environment. The 300, 600 Hz, and 1.8 khz roofing filters are installed. There is no internal antenna tuner. It comes with the auxiliary fan, owner's manual, power cord, Aux I/O interface cable, and any other extra connectors, etc that I can find for it.
It is in a factory sealed carton, just returned from a complete checkout at Ten-Tec.

$2500 plus shipping from 40391. No foreign shipments.

K4TO

10201. Re: Orion II 9MHZ IF output Mod

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-27 14:37:01 UTC
From: ve7tk@...
Topic: 10198 Message: 10201

Goerge it is my understanding that some have had the mod done by TEN-TEC. TEN-TEC has NOT installed the internal buffer amp but they have taken the tap from the 9 MHz IF board to the rear SPARE jack on the Orion. The user has then purchased an external buffer amp in a shielded enclosure from Clifton labs.

There may be some on the reflector who have done this and can speak further to it.

73, Rick
VE7TK

10202. RE: [orion565] Orion II 9MHZ IF output Mod

Yahoo group: orion565 (2014 — 2017)
Date: 2014-06-27 15:24:57 UTC
From: Andrew B. Steen
Topic: 10198 Message: 10202

Barry.

I did the buffer mod several years ago. Not too bad soldering the coax if you have a magnifying headset or some strong reading glasses.

I was under the impression that Ten Tec would NOT do any of this mod for you.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, June 26, 2014 7:01 AM
To: Orion565
Subject: Re: [orion565] Orion II 9MHZ IF output Mod

I don't consider this an easy mod. Soldering the coax to the buffer mod board and to the Orion i.f. board is tricky for the average not-so-young Joe.

73/GL, Barry N1EU

On Thu, Jun 26, 2014 at 1:50 PM, wb5xx@... [orion565] <orion565@yahoogroups.com> wrote:

I have looked at the mod for the Orion II so my question is does anyone know of a person who would do this mod for me.I don't see or have the ability to do this myself even though it's seems to be rather easy to do.I would purchase necessary buffer amp kit from Clifton Labs and ship Orion II to such person and pay going rate bench time charges.Contact me off line if your interested or know someone who I could contact.My email is good on QRZ. Thanks wb5xx

10203. Orion 2 for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-01 22:46:44 UTC
From: avidmar@...
Topic: 10203 Message: 10203

I have an O2 for sale that has the internal tuner, all the filters, fan, TT power supply plus the manual.
$2600.
N9AOP

10204. Fwd:

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-05 22:09:58 UTC
From: j_t_malloy@...
Topic: 8273 Message: 10204

Hello! http://souvlakivlaxos.gr/_click.page1?ysimjhek318073

10205. AM broadcast station on headphones

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-07 01:24:13 UTC
From: Steven Hammond
Topic: 10205 Message: 10205

I'm receiving WBAP 820 AM over my headphones when I use the PTT (using the CW key right now) on SSB. If I turn the MONITOR to 0, I hear nothing of course. But when I turn up the Monitor to say 30, for SSB work, I can hear clearly the AM station when I press the PTT. I'm using a Heil headset PRO SET PLUS. I plug the mic cable into the mic outlet and the headphone cable into the headphone outlet. I have the CW key plugged in and use it for PTT. The 'Y' adapter cable is for a YAESU (I had a FT-2000 before). Now if I unplug the mic from the PROSET PLUS and use another mic (my Ten Tec Regal for instance) and leave the heil headphone cable plugged in, the radio station is gone when I push PTT. Ten Tec sent me a small board to install that was supposed to filter this but honestly I compared the board it was replacing and they looked identical (from what I could tell). As far as I can tell, the AM radio station doesn't broadcast with my signal but it is rather annoying hearing it so loud and clear in my headset when attempting SSB. For now, I just practice my CW but I'd like to figure out what is causing this so I can go back to doing some SSB work.

I'm guessing it might have something to do with the mic cable and maybe grounding. Seems like I heard at one time an issue with Ten Tec radio's and such but this is my first Ten Tec product and I was wondering if anyone else has heard of such a thing. Thanks.

Steve Hammond
KY5M

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

10206. Re: AM broadcast station on headphones

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-07 08:15:10 UTC
From: pa1ap@...
Topic: 10205 Message: 10206

Hi Steve,

Common problem indeed and within this forum its a re-occuring topic.

Couple of things you might want to investigate;

1) the mic negative and positive pins should not be connected to ground. Please check the cable and ensure that both mic wires are floating -within- the ground shield.

2) on the Orion 565 there is no ground pin on the mic plug. Check if the cable shield is connected to the connector body / chassis.

3) obviously above indicates the mic cable should have a shield :-)

4) depending on the mic check if the shield is complete. I found with my heil microphone the mic is made of some metal but the parts are painted before they are mounted together. In my case the metal shield surrounding the mic did not make contact with the mic body and hence did not do anything useful against rf signals. I removed the paint on the thread and now the mic shield is (electrically) part of the ic body.

5) if all above does not work you can do the following too;

a) install a ferrite clamp-on at the mic plug (somewhat effective)

b) solder a capacitor of 1nF within the mic plug between pin 1 and ground as well pin 2 and ground. Those will decouple the mic leads to ground while not influencing the audio as far as I know.

6) I had extreme RFI at a certain time and also decoupled the CW jack with a 1nF capacitor. Just to avoid signals leaking into the orion through this "antenna".

Hope this helps,

Best regards, Onno

10207. Orion II For sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-07 10:57:49 UTC
From: Dave Sublette
Topic: 10198 Message: 10207
Attachments: 1 described; binary payloads are missing from this source WARC

This is my one-owner Orion II. I am the original owner. It has been in a non-smoking environment. The 300, 600 Hz, and 1.8 khz roofing filters are installed. There is no internal antenna tuner. It comes with the auxiliary fan, owner's manual, power cord, Aux I/O interface cable, and any other extra connectors, etc that I can find for it.
It is in a factory sealed carton, just returned from a complete checkout at Ten-Tec.

$2500 plus shipping from 40391. No foreign shipments.

K4TO

10208. Orion 1 on RTTY

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 05:00:11 UTC
From: Dick Foster
Topic: 10208 Message: 10208

I've just got interested in RTTY. The Orion 1 has a mode position for FSK, but when it's engaged it is expecting digital input from a TNC. Anyone know of a way to use the FSK mode with AFSK input from a sound card? I use a sound card with the Orion for other digital modes.

I've been making RTTY QSO's using LSB and a passband offset. It works, but it is a pain to switch back and forth between RTTY and SSB.

Dick W5TA

10209. RE: [orion565] Orion 1 on RTTY

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 05:26:45 UTC
From: Dave AA6YQ
Topic: 10208 Message: 10209

You're going to need a circuit that generates the MARK/SPACE input that switches your Orion between transmitting a mark or a space
(voltage levels expected: 5 vdc and 0 vdc). You could generate such a signal with tone decoders driven by your soundcard's audio
output. I recall the schematic for such a circuit on one of the RTTY reflectors, but Google couldn't locate it.

If you're using MMTTY for RTTY, it has the ability to generate a signal that transitions between mark and space via a serial port's
modem control signal (DTR or RTS), which a one-transistor circuit can convert to the voltage levels required by your Orion's
MARK/SPACE input. See Don AA5AU's discussion of "FSK Transmission" here:

<http://www.aa5au.com/gettingstarted/rtty_start5.htm>

73,

Dave, AA6YQ

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, July 08, 2014 1:00 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 1 on RTTY

I've just got interested in RTTY. The Orion 1 has a mode position for FSK, but when it's engaged it is expecting digital input from
a TNC.
Anyone know of a way to use the FSK mode with AFSK input from a sound card? I use a sound card with the Orion for other digital
modes.

I've been making RTTY QSO's using LSB and a passband offset. It works, but it is a pain to switch back and forth between RTTY and
SSB.

Dick W5TA

10210. Re: Orion 1 on RTTY

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 13:34:27 UTC
From: wb2rhm@...
Topic: 10208 Message: 10210

Dick,

You also have an option to remain using LSB and audio from a sound card to send RTTY, but to create properly formed RTTY signals you need to follow these steps:
https://www.tentec.com/content/downloads/manuals/565/565ORION%20RTTY%20Operation.pdf
https://www.tentec.com/content/downloads/manuals/565/565ORION%20RTTY%20Operation.pdf

If you want to easily set up your Orion to switch quickly between normal SSB and AFSK-LSB, you can save the Orion settings in the User Memorys ie USR1 set for normal SSB, and USR2 set up for AFSK per the above instructions. Want to switch, just push the corresponding USR setting button.

BUT FSK is best, period. AFSK is OK.

73,
Ben WB2RHM

10211. RE: [orion565] Orion 1 on RTTY

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 14:17:00 UTC
From: John Hudson
Topic: 10208 Message: 10211

Dick I built this little interface to use with the Signal Link USB on my O1. I can now run FSK "through" the SL USB. It's a simple build, took me almost 2 hours to put together but I have built 6 or 7 for the guys here locally. Total cost was less than $30 I think

Look up the May 2013 QST article for better info

Here's other links to the interface

http://www.arrl.org/news/doug-hall-k4dsp-wins-august-em-qst-em-cover-plaque-award

http://www.wb3lhd.com/main/page_fsk_rtty.html

http://www.kc4zvw.org/fskit.html

have fun..BTW I like FSK better also

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, July 08, 2014 12:00 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 1 on RTTY

I've just got interested in RTTY. The Orion 1 has a mode position for FSK, but when it's engaged it is expecting digital input from a TNC. Anyone know of a way to use the FSK mode with AFSK input from a sound card? I use a sound card with the Orion for other digital modes.

I've been making RTTY QSO's using LSB and a passband offset. It works, but it is a pain to switch back and forth between RTTY and SSB.

Dick W5TA

10212. RE: [orion565] Orion 1 on RTTY

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 17:34:04 UTC
From: Dick Foster
Topic: 10208 Message: 10212

Many thanks to all who responded. You gave me a lot of good options.

Dick W5TA

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, July 08, 2014 12:00 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 1 on RTTY

I've just got interested in RTTY. The Orion 1 has a mode position for
FSK, but when it's engaged it is expecting digital input from a TNC.
Anyone know of a way to use the FSK mode with AFSK input from a sound
card? I use a sound card with the Orion for other digital modes.

I've been making RTTY QSO's using LSB and a passband offset. It works,
but it is a pain to switch back and forth between RTTY and SSB.

Dick W5TA

10213. Re: Orion 1 on RTTY

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 17:39:01 UTC
From: Russ Hamilton
Topic: 10208 Message: 10213

Hi Dick,

I have an OI and have always used AFSK for RTTY. I handle RTTY AFSK tones just like other digital modes such as PSK and set mode to USB. Works like a charm. FSK mode defaults to the historic RTTY tone pair (I think 2295/2125 Hz) which I find too high in frequency to comfortably listen to, plus FSK mode doesn't accept AFSK input tones (as far as I remember).

I use Cocoamodem and set my Mark tone to 800 Hz and shift to 170 (but you can choose any tone within reason). Corresponding with this setup I set my passband to +700 (will change if you deviate from Mark = 800 Hz) and bandwidth to 350. Doing so separates RTTY stations like a knife thru butter. I believe the transmit "standard" for digital signals is USB, not LSB. If you use LSB people will probably have trouble copying your tones until they adjust their computer software to copy "upside down" (Mark and Space transposed) signals.

You may find User1 and User2 buttons handy for switching between SSB/CW and RTTY, which is what I do. For RTTY User2 sets the audio input to rear panel, reduces power output, and a few other things I've forgotten. User1 changes these back. I also use the band stacking registers, A for SSB, B for CW, C for RTTY (with the requisite PB and BW settings), and D for nothing particular to help keep things organized.

By the way, you may already be familiar with this, but if not, be sure to set your Baud rate to 45.45 for customary 60 WPM RTTY and set your stop bit to 1.5. A setting to 2 will slow your throughput, and setting to 1 will increase the time it takes to synchronize with the incoming bitstream.

Hope this helps, Russ

10214. Orion 565 Speaker Out

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 19:26:55 UTC
From: Ron | K5XK
Topic: 10214 Message: 10214

Can someone offer suggestions as to my lack of Speaker Audio output? My earphone audio is fine, but I get NO speaker output from either the front panel, or the external speaker jack on the back of the rig.

In my Audio settings, AUDIO > SPKR: Both

I don't see any other settings that would affect it. Again, the earphone audio is fine. I've checked the connections at the speaker and the little 2-pin connector (#35) adjacent to the Ext Spkr jack.

Am I overlooking something? Tks/73, Ron / K5XK

10215. RE: [orion565] Orion 565 Speaker Out

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 19:34:57 UTC
From: Wes Attaway (N5WA)
Topic: 10214 Message: 10215

Try connecting another speaker and see what happens.

Or, connect a resistor between the pins and see if you get any voltage indication on a VOM connected across the terminals.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
--- 318-393-3289 (Cell) ---
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, July 08, 2014 2:27 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 565 Speaker Out

Can someone offer suggestions as to my lack of Speaker Audio output? My earphone audio is fine, but I get NO speaker output from either the front panel, or the external speaker jack on the back of the rig.

In my Audio settings, AUDIO > SPKR: Both

I don't see any other settings that would affect it. Again, the earphone audio is fine. I've checked the connections at the speaker and the little 2-pin connector (#35) adjacent to the Ext Spkr jack.

Am I overlooking something? Tks/73, Ron / K5XK

10216. Re: [orion565] Orion 565 Speaker Out

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 19:38:01 UTC
From: catfishtwo@...
Topic: 10214 Message: 10216

does it need a stereo speaker, like it does for the head phones?? tom N6AJR

In a message dated 7/8/2014 12:36:22 P.M. Pacific Daylight Time, orion565@yahoogroups.com writes:

Try connecting another speaker and see what happens.
Or, connect a resistor between the pins and see if you get any voltage indication on a VOM connected across the terminals.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
--- 318-393-3289 (Cell) ---
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, July 08, 2014 2:27 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 565 Speaker Out

Can someone offer suggestions as to my lack of Speaker Audio output? My earphone audio is fine, but I get NO speaker output from either the front panel, or the external speaker jack on the back of the rig.

In my Audio settings, AUDIO > SPKR: Both

I don't see any other settings that would affect it. Again, the earphone audio is fine. I've checked the connections at the speaker and the little 2-pin connector (#35) adjacent to the Ext Spkr jack.

Am I overlooking something? Tks/73, Ron / K5XK

10217. Re: [orion565] Orion 565 Speaker Out

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 20:08:29 UTC
From: alan corin
Topic: 10214 Message: 10217

In the audio setting LEFT and RIGHT should be set to both .WA2AC

On Tuesday, July 8, 2014 3:27 PM, "'Ron | K5XK' qrzthedx@... [orion565]" <orion565@yahoogroups.com> wrote:

Can someone offer suggestions as to my lack of Speaker Audio output? My earphone audio is fine, but I get NO speaker output from either the front panel, or the external speaker jack on the back of the rig.

In my Audio settings, AUDIO > SPKR: Both

I don't see any other settings that would affect it. Again, the earphone audio is fine. I've checked the connections at the speaker and the little 2-pin connector (#35) adjacent to the Ext Spkr jack.

Am I overlooking something? Tks/73, Ron / K5XK

10218. RE: [orion565] Orion 565 Speaker Out

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 20:10:56 UTC
From: qrzthedx@...
Topic: 10214 Message: 10218

No voltage across the speaker with the resistor. About 5.5 ohms.

No, it doesn't require a stereo speaker, like the headphones.

Thanks/73, Ron K5XK

10219. Re: Orion 565 Speaker Out

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 20:40:15 UTC
From: qrzthedx@...
Topic: 10214 Message: 10219

Must have been an intermittent, as I had given up and was across the shack when the Speaker audio suddenly came to life. Obviously an intermittent somewhere. I thought I was overlooking a Menu Setting! Thanks for the bandwidth and replies...

73, Ron / K5XK

10220. Re: [orion565] Re: Orion 565 Speaker Out

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-08 22:00:34 UTC
From: Barry N1EU
Topic: 10214 Message: 10220

Dumb question, but did you pull out the headphone plug from the front jack
and whatever might be plugged into the rear speaker jack in order to test
the built-in speaker?

Barry N1EU

On Tue, Jul 8, 2014 at 8:40 PM, qrzthedx@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Must have been an intermittent, as I had given up and was across the shack
> when the Speaker audio suddenly came to life. Obviously an intermittent
> somewhere. I thought I was overlooking a Menu Setting! Thanks for the
> bandwidth and replies...
>
> 73, Ron / K5XK
>
>
>

10221. Re: [orion565] Re: Orion 565 Speaker Out

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-09 02:25:43 UTC
From: qrzthedx@...
Topic: 10214 Message: 10221

Barry, there are very few dumb questions here in this retirement village! But, yes .... .. I had the issue ever since acquiring it from another fella. Since I prefer using cans mostly, it wasn't an issue--until I had multiple visitors in the shack recently. Until today, I really thought it was a menu oversight. Oddly, the speaker output (both the internal, and an external speaker) have been working fine since mid-afternoon. I'll keep my fingers X'd, but may have to go diggin' for the intermittent at some point.

73, Ron K5XK

10222. Port sharing software for Orion/LP-Pan?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-10 13:21:52 UTC
From: Barry N1EU
Topic: 10222 Message: 10222

I've configured my Orion II with the 9MHz i.f. output mod connected to LP-Pan. Other than N4PY Software, can anyone recommend a good port sharing solution so that I can run both NaP3 panadapter software and N1MM Logger at the same time? Info on the LP Web site seems to indicate that LP-Bridge doesn't support the Orion and I haven't had much success with VSPE.

Thanks & 73,
Barry N1EU

10223. Fw: [1]

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-11 12:41:29 UTC
From: j_t_malloy@...
Topic: 10223 Message: 10223

Hi!
http://blog.vyacheslavnovak.com/-you.received.a.message?onokomygo=1829297&ymufjkek=966234

10224. Re: Port sharing software for Orion/LP-Pan?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-11 13:43:13 UTC
From: wb2rhm@...
Topic: 10222 Message: 10224

Barry,

I sent you a reply on the contesting.com TenTec list.

73, Ben - WB2RHM

10225. Re: [orion565] Re: Port sharing software for Orion/LP-Pan?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-11 14:13:37 UTC
From: Barry N1EU
Topic: 10222 Message: 10225

I see how to create a virtual port pair in VSPM. But how do you connect the virtual port pair to the physical CAT port so it can be shared by the virtual pair?

Thanks & 73,
Barry N1EU

On Fri, Jul 11, 2014 at 1:43 PM, wb2rhm@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Barry,
>
> I sent you a reply on the contesting.com TenTec list.
>
> 73, Ben - WB2RHM
>
>

10226. Re: [orion565] Re: Port sharing software for Orion/LP-Pan?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-12 13:51:48 UTC
From: wb2rhm@...
Topic: 10222 Message: 10226

Barry,

HRD is the glue.

The only real Orion CAT connection is established by going through HRD (V5/FreeVersion). HRD is configured to make an RS-232 connection via a real COM port for the Orion. HRD then controls two-way CAT communication with the Orion, and has lots of bells and whistles, almost all of which I don't use. The two important features of HRD is that it provides a DDE interface that NaP3 knows about and seemlessly uses to Observe/Control the Orion. HRD also creates/provides a 'virtual Kenwood interface' assigned to a virtual port of your choice and configuration.. This allows a good sub-set of the kenwood CAT command set to be read and written-to. VSPManager (one time use) makes a single pair of Eltima shared virtual ports.eg port 6 and port 8 and tie them together. You tell HRD to connect its 'virtual kenwood' to eg virtual port 8 and then you configure N1MM to 'use' a 57600BPS Kenwood radio on virtual Com Port 6. (follow all the warnings about never using signalling or flow controls on the virtual ports)

Everything sings.... You do need to sequence the start-up of the programs..... HRD(minimize it, you never look at it again), NaP3, then N1MM so everything is ready when connections are established and checked.

Hope that helps, it has been working here for almost a year now, 73,

Ben - WB2RHM

10227. Re: [orion565] Re: Port sharing software for Orion/LP-Pan?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-12 16:03:10 UTC
From: wb2rhm@...
Topic: 10222 Message: 10227

Additional Info:

To connect the virtual port pair to HRD, use the TOOLS item in the HRD menu bar, select Hardware->3rd Party Serial Port. This is where you define the V-ComPort number, speed, etc for that end of the pipeline eg VCom8.

73,
Ben - WB2RHM

10228. Using Orion on rtty and psk

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-14 20:40:21 UTC
From: Ronnie Hull
Topic: 10228 Message: 10228

Good afternoon
Ronnie w5sum here

I have decided to try digital with my Orion. I purchased a TT712 but have had issue with it so I have decided NOT to go that route

I am out of com ports on my computer so I am looking for a digital interface that will connect to my PC via USB, and of course go into the Orion with the aux port connector

I have a sound card in my computer but would really like to get a digital I/f that has a standalone sound card built in if that makes sense!

Anyone have any suggestions?

Thanks in advance and 73

Ronnie w5sum in Shreveport, La

Sent from Ronnie's IPhone

10229. Re: [orion565] Using Orion on rtty and psk

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-14 21:10:55 UTC
From: Billy Cox
Topic: 10228 Message: 10229

Hi Ronnie,

You might want to check out the MicroHam products,
as they have may have a version similar to that?

http://www.microham-usa.com/

No connection with them other than using an original
MicroKeyer with a 2nd internal sound card that works
well for all modes.

73 de Billy, AA4NU

-----Original Message-----
>From: "Ronnie Hull w5sum@... [orion565]"
>Sent: Jul 14, 2014 3:40 PM
>To: orion565@yahoogroups.com
>Subject: [orion565] Using Orion on rtty and psk
>
>Good afternoon
>Ronnie w5sum here
>
>I have decided to try digital with my Orion. I purchased a TT712 but have had issue with it so I have decided NOT to go that route
>
>I am out of com ports on my computer so I am looking for a digital interface that will connect to my PC via USB, and of course go into the Orion with the aux port connector
>
>I have a sound card in my computer but would really like to get a digital I/f that has a standalone sound card built in if that makes sense!
>
>Anyone have any suggestions?
>
>Thanks in advance and 73
>
>Ronnie w5sum in Shreveport, La
>
>Sent from Ronnie's IPhone
>
>------------------------------------
>Posted by: Ronnie Hull
>------------------------------------
>
>
>
>------------------------------------

>
>Yahoo Groups Links
>
><*> To visit your group on the web, go to:
> http://groups.yahoo.com/group/orion565/
>
><*> Your email settings:
> Individual Email | Traditional
>
><*> To change settings online go to:
> http://groups.yahoo.com/group/orion565/join
> (Yahoo! ID required)
>
><*> To change settings via email:
> orion565-digest@yahoogroups.com
> orion565-fullfeatured@yahoogroups.com
>
><*> To unsubscribe from this group, send an email to:
> orion565-unsubscribe@yahoogroups.com
>
><*> Your use of Yahoo Groups is subject to:
> https://info.yahoo.com/legal/us/yahoo/utos/terms/
>

10230. Re: Using Orion on rtty and psk

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-15 14:07:24 UTC
From: ve7tk@...
Topic: 10228 Message: 10230

Hi Ronnie.

I have been using a Navigator. This unit includes a built in sound card and connects via USB. It sets up COMports for CW (Winkey included), PTT, FSK as well as CAT control for the rig. In addition there's a spare RS-232 port avaIlable for CAT control (For a now forgotten reason I use this one for the Orion to communicate with N4PY and other software).

I operate RTTY (FSK), CW, PSK and JT65/JT9 through this interface. Support has been excellent and there's a user group on Yahoo. The original set-up was a little finicky but it has been a stable package for several years.

I recently built an interface cable for my Omni VI (all cable specs are provided to build your own). I then used an old (modified) printer switch to select the Orion or the Omni VI to go through the Navigator.

The Navigator interface is now handled by TimeWave -
http://www.timewave.com/support/Navigator/index.html
http://www.timewave.com/support/Navigator/index.html

73, Rick
VE7TK

10231. Looking for 6khz and 600Hz Filter for Orion 2

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-21 01:23:19 UTC
From: tarniowy@...
Topic: 10231 Message: 10231

Hi, I am looking for 6khz and 600hz and 1.8khz filter for Orion II (566). Also looking for " tech special " or for parts radio Orion or Orion II. My email is tarniowy@yahoo.com 73, Arek AC2FC

10232. Re: [orion565] Looking for 6khz and 600Hz Filter for Orion 2

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-21 08:53:51 UTC
From: Barry N1EU
Topic: 10231 Message: 10232

The 6Khz filter is stock in the Orion II.

73, Barry N1EU

On Mon, Jul 21, 2014 at 1:23 AM, tarniowy@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hi, I am looking for 6khz and 600hz and 1.8khz filter for Orion II (566).
> Also looking for " tech special " or for parts radio Orion or Orion II. My
> email is tarniowy@... 73, Arek AC2FC
>
>

10233. Re: [orion565] Looking for 6khz and 600Hz Filter for Orion 2

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-21 09:05:32 UTC
From: Tarniowy
Topic: 10231 Message: 10233

Barry,
I know that but I need one.

Thanks
Arek AC2FC

On Jul 21, 2014, at 4:53 AM, "Barry N1EU barry.n1eu@... [orion565]"
<orion565@yahoogroups.com> wrote:

> The 6Khz filter is stock in the Orion II.
>
> 73, Barry N1EU
>
>
> On Mon, Jul 21, 2014 at 1:23 AM, tarniowy@... [orion565] <orion565@yahoogroups.com>
wrote:
>>
>> Hi, I am looking for 6khz and 600hz and 1.8khz filter for Orion II (566). Also looking
for " tech special " or for parts radio Orion or Orion II. My email is tarniowy@... 73,
Arek AC2FC
>>
>
>

10234. Re: [orion565] Orion II For sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-21 15:51:25 UTC
From: Dave Sublette
Topic: 10198 Message: 10234

The Orion II has been sold.

On Jul 7, 2014, at 6:57 AM, Dave Sublette k4to@... [orion565] <orion565@yahoogroups.com> wrote:

>
> <PastedGraphic-1.png>
>
>
> This is my one-owner Orion II. I am the original owner. It has been in a non-smoking environment. The 300, 600 Hz, and 1.8 khz roofing filters are installed. There is no internal antenna tuner. It comes with the auxiliary fan, owner's manual, power cord, Aux I/O interface cable, and any other extra connectors, etc that I can find for it.
> It is in a factory sealed carton, just returned from a complete checkout at Ten-Tec.
>
> $2500 plus shipping from 40391. No foreign shipments.
>
> K4TO
>
>
>
>

10235. Orion for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-26 21:38:53 UTC
From: Jeff Walker
Topic: 212 Message: 10235

FOR SALE: Ten-Tec Orion 565
Excellent condition Ten-Tec Orion
565. Complete alignment and latest firmware loaded by the factory in Nov last year. INRAD 762 filter installed. Google Orion, INRAD 762 for full Sherwood report on this filter. Factory shipping box, manual and
accessory bag included. $1600. SHIPPED. 302 encoder keypad, 715 speech
processor and 307 speaker available with radio.

Jeff
K4BP
423-744-9464

10236. Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-30 07:04:24 UTC
From: tarniowy@...
Topic: 10236 Message: 10236

Hi,
I have Orion 565 with bad logic board. I did some diagnostic and the main CPU is bad (MC68ez328).
I can easy replace it but I how I can get file to programm it?Did enybody try to do this already? To get new chip is around few $. To solder it is also not the problem. The CPU/Logic board have Jtag port already. I just need to put file with bootloader and then I will be able to do firmware upgrade.

Thank for all help
Arek AC2FC

10237. Re: Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-30 08:22:33 UTC
From: pa1ap@...
Topic: 10236 Message: 10237

Interesting. What made you assume the CPU has internal bootloader? I did not check the schematics but most of the time the bootloader part is external. Hence replacing the CPU would be limited to swapping the chip. Regards, Onno

10238. Re: [orion565] Re: Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-30 08:39:50 UTC
From: Tarniowy
Topic: 10236 Message: 10238

Onno,
Thank you for your replay.
On the schematic you can see JTag connector . It is connected to mc68ez328 and xc95288 (CPLD chip). Both "chips" need to be programmed.
Unfortunately I have both bad (short on +3.3v).
I thing the JTag port it is for manufacture to put something like basic program (bootloader) to the mc68 chip and then you can download firmware (true rs232 port) . You need to have " something" in the microprocessor to make the processor alive.
I also look true XC95288 datasheet and it looks like this chip need to be programmed also true JTag port with the file *.svf
This is just my theory. I don't know how it is with ten tec. Anybody has any experience with replacing MC68 chip and XC95 chip?
Thank you for help

Arek AC2FC

Sent from my iPhone

On Jul 30, 2014, at 4:22 AM, "pa1ap@nextchallenge.net [orion565]" <orion565@yahoogroups.com> wrote:

> Interesting. What made you assume the CPU has internal bootloader? I did not check the schematics but most of the time the bootloader part is external. Hence replacing the CPU would be limited to swapping the chip. Regards, Onno
>
>

10239. Re: [orion565] Re: Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-30 12:11:31 UTC
From: Tarniowy
Topic: 10236 Message: 10239

Onno,
One more question , do you know if I can buy this components from ten tec ?
I probably can get logic board from them. But I just need two " chips".
I was thinking to buy this parts from somebody else but will be better to get them from ten tec.

Thanks
Arek AC2FC

Sent from my iPhone

On Jul 30, 2014, at 4:22 AM, "pa1ap@... [orion565]" <orion565@yahoogroups.com> wrote:

> Interesting. What made you assume the CPU has internal bootloader? I did not check the schematics but most of the time the bootloader part is external. Hence replacing the CPU would be limited to swapping the chip. Regards, Onno
>
>

10240. Re: Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-30 14:16:00 UTC
From: wa6iaf@...
Topic: 10236 Message: 10240

Arek,
Sorry no help with that type of thing from me.
I did want to mention I have had my O1 running again, for over 2 months now. Turned out the half of the OP amp that biased drivers failed, killing both drivers. Set base bias at .7 volts on finals and new drivers both as per info given by Paul Clinton, who was helpful. Makes me like the rig even more after having been able to repair it myself, along with the ideas and help I got from you here and from TT.
Thanks much!

BTW,
I bought a fully loaded TS-950SD for a back up rig while I was working on my Orion. The Orion has a much better Rx, it runs circles around the 950.

73
Paul
WA6IAF

10241. Re: [orion565] Re: Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-30 15:45:12 UTC
From: Tarniowy
Topic: 10236 Message: 10241

Paul,
I am glad to hear that the rig is working now.

73,
Arek AC2FC

Sent from my iPhone

On Jul 30, 2014, at 10:16 AM, "wa6iaf@... [orion565]" <orion565@yahoogroups.com> wrote:

> Arek,
> Sorry no help with that type of thing from me.
> I did want to mention I have had my O1 running again, for over 2 months now. Turned out the half of the OP amp that biased drivers failed, killing both drivers. Set base bias at .7 volts on finals and new drivers both as per info given by Paul Clinton, who was helpful. Makes me like the rig even more after having been able to repair it myself, along with the ideas and help I got from you here and from TT.
> Thanks much!
>
> BTW,
> I bought a fully loaded TS-950SD for a back up rig while I was working on my Orion. The Orion has a much better Rx, it runs circles around the 950.
>
> 73
> Paul
> WA6IAF
>
>

10242. CNC73 Heavy Knob for O2

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-30 19:25:46 UTC
From: Tony Sokol
Topic: 10242 Message: 10242

Hi Gang,
I thought I would pass along a comment on the heavy knobs the I have looked at for years thinking 120 bucks...are you kidding??? I finally thought I would try one and oh my gosh! On the Orion II it tops off the package with that solid luxury silky smooth feel that is really noticeable. Not that the original is that bad but this is pure luxury. What is interesting is that I tried it on my Omni VII and... not so much. The Omni VII uses a Teflon shoulder bushing type bearing where the Orion encoders appear to have a ball bearing on the encoder shaft. The Omni didn't have that smooth feel making it not worth the investment in my opinion. Surprisingly the knob DID provide a very nice feel when installed on the 302 remote encoder though which does not have the bushing. Again, the original is pretty nice too.

I don't have anything to do with 73CNC but after seeing so many installed on the K3 and KX3 I thought I would try one and I wanted to share the results with the group. This is kind of a sleeper as far as the Orion goes. Of course YMMV.

73
Tony - W9JXN

10243. Orion II for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-30 20:50:06 UTC
From: bill@...
Topic: 5791 Message: 10243

This Orion II is a one owner (non-smoking) radio. It has 1.8, 600, and 300 Hz filters, external fan, remote key-pad, original and full connector bag (unused), and a Level Converter/Relay Driver (from Array Solutions) to interface with shack automation hardware.

I will also include a cable assembly from Micro-Ham USA to interface with their series of micro Keyers if you would like (a $90 value). Original manual and box.

Asking $2600 and will split shipping in the continental USA. Pictures available on request.

73... Bill Axelrod K3WA -- K3WA (at) axelrods (dot) org

10244. Re: [orion565] Orion II for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-30 22:53:28 UTC
From: Paul Dulaff
Topic: 5791 Message: 10244

Bill

Does the rig have the autotuner option ?

Is the price negotiable ?

Paul - WB2NMI

----- Original Message -----
From: bill@... [orion565] <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Wed, 30 Jul 2014 16:50:06 -0400 (EDT)
Subject: [orion565] Orion II for sale

This Orion II is a one owner (non-smoking) radio. It has 1.8, 600, and 300 Hz filters, external fan, remote key-pad, original and full connector bag (unused), and a Level Converter/Relay Driver (from Array Solutions) to interface with shack automation hardware.

I will also include a cable assembly from Micro-Ham USA to interface with their series of micro Keyers if you would like (a $90 value). Original manual and box.

Asking $2600 and will split shipping in the continental USA. Pictures available on request.

73... Bill Axelrod K3WA -- K3WA (at) axelrods (dot) org

10245. Re: [orion565] Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-30 23:43:38 UTC
From: Fernando
Topic: 10236 Message: 10245

Hello.

Sorry to read about your trouble.

I don’t have any experience with cpu replacement

but if it was determined that the cpu is defective,

I would solder a new one and try to load the firmware

from TT.

If that fails then we Orion owners should find a way

to copy the internals and burn a new one as a spare.

I’m just blowing smoke, again don’t have any experience

with this type of stuff.

Fernando N2FQ/6
n2fq@...

On Jul 30, 2014, at 12:04 AM, tarniowy@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
>
> Hi,
>
> I have Orion 565 with bad logic board. I did some diagnostic and the main CPU is bad (MC68ez328).
>
> I can easy replace it but I how I can get file to programm it?Did enybody try to do this already? To get new chip is around few $. To solder it is also not the problem. The CPU/Logic board have Jtag port already. I just need to put file with bootloader and then I will be able to do firmware upgrade.
>
>
> Thank for all help
>
> Arek AC2FC
>
>
>
>

10246. Re: CNC73 Heavy Knob for O2

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-31 10:22:03 UTC
From: pa1ap@...
Topic: 10242 Message: 10246

Thank you very much for sharing!

My only concern would be indeed the bearings. I had to replace the bearings of both VFO knobs as they were really creating friction instead of allowing smooth rotation. At my end i guess the vfo has been turned to many times ;-) Well not actually complete truth as the main encode shaft seems to a bit bend.. Hence turning the VFO knob is not fully centered and this will cause additional friction to the bearings too... I should be replacing the encoders to fix that issue. The challenge seems to be that there are different encoders used over time and I don't know which one to use. O welll :-)

Best regards, Onno

10247. Re: [orion565] Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-31 11:52:25 UTC
From: Tarniowy
Topic: 10236 Message: 10247

Fernando,
How you want to load firmware? The new CPU is " empty". To load new firmware to the rig we have to press some button for processor to be ready.So in this case processor need to be per-programmed with some " bootloader " and then bootloader will give you passibility to download firmware. That's why logic board have JTag port on it.
I can probably read the data from CPU and CPLD chip (xv95288). I only need for JTag programmer and know that the read is not blocked on the processor and CPLD (you can find in datasheet that this is the option an can be " programmed ") and I need to have good logic board to just download from CPU and CPLD .
Again I can be wrong . Maybe somebody from Ten tec or John Henry can explain us what we have to do in this case when we want to solder " new empty CPU".

Thanks for all help
Arek AC2Fc

Sent from my iPhone

On Jul 30, 2014, at 7:43 PM, "Fernando n2fq@... [orion565]" <orion565@yahoogroups.com> wrote:

> Hello.
>
>
> Sorry to read about your trouble.
>
> I don’t have any experience with cpu replacement
>
> but if it was determined that the cpu is defective,
>
> I would solder a new one and try to load the firmware
>
> from TT.
>
> If that fails then we Orion owners should find a way
>
> to copy the internals and burn a new one as a spare.
>
>
> I’m just blowing smoke, again don’t have any experience
>
> with this type of stuff.
>
> Fernando N2FQ/6
> n2fq@...
>
>

>
>
> On Jul 30, 2014, at 12:04 AM, tarniowy@... [orion565] <orion565@yahoogroups.com> wrote:
>
>>
>>
>>
>> Hi,
>>
>> I have Orion 565 with bad logic board. I did some diagnostic and the main CPU is bad (MC68ez328).
>>
>> I can easy replace it but I how I can get file to programm it?Did enybody try to do this already? To get new chip is around few $. To solder it is also not the problem. The CPU/Logic board have Jtag port already. I just need to put file with bootloader and then I will be able to do firmware upgrade.
>>
>>
>> Thank for all help
>>
>> Arek AC2FC
>>
>
>

10248. Re: [orion565] Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-31 16:24:25 UTC
From: Fernando
Topic: 10236 Message: 10248

Hello Arek

Thanks for the explanation and of course your patience.

I was merely going by what I read here on this webpage

about “The boot process”.

<http://www.webopedia.com/DidYouKnow/Hardware_Software/BootProcess.asp>

Again I was just blowing wind.

I sincerely hope you are successful and share the solution.

Fernando N2FQ/6
n2fq@...

On Jul 31, 2014, at 4:52 AM, Tarniowy tarniowy@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Fernando,
> How you want to load firmware? The new CPU is " empty". To load new firmware to the rig we have to press some button for processor to be ready.So in this case processor need to be per-programmed with some " bootloader " and then bootloader will give you passibility to download firmware. That's why logic board have JTag port on it.
> I can probably read the data from CPU and CPLD chip (xv95288). I only need for JTag programmer and know that the read is not blocked on the processor and CPLD (you can find in datasheet that this is the option an can be " programmed ") and I need to have good logic board to just download from CPU and CPLD .
> Again I can be wrong . Maybe somebody from Ten tec or John Henry can explain us what we have to do in this case when we want to solder " new empty CPU".
>
>
> Thanks for all help
> Arek AC2Fc
>
> Sent from my iPhone
>
> On Jul 30, 2014, at 7:43 PM, "Fernando n2fq@...[orion565]" <orion565@yahoogroups.com> wrote:
>
>> Hello.
>>
>>
>> Sorry to read about your trouble.

>>
>> I don’t have any experience with cpu replacement
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>> but if it was determined that the cpu is defective,
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>> I would solder a new one and try to load the firmware
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>> If that fails then we Orion owners should find a way
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>> to copy the internals and burn a new one as a spare.
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>> I’m just blowing smoke, again don’t have any experience
>>
>> with this type of stuff.
>>
>> Fernando N2FQ/6
>> n2fq@...
>>
>>
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>>
>> On Jul 30, 2014, at 12:04 AM, tarniowy@... [orion565] <orion565@yahoogroups.com> wrote:
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>>> Hi,
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>>> I have Orion 565 with bad logic board. I did some diagnostic and the main CPU is bad (MC68ez328).
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>>> I can easy replace it but I how I can get file to programm it?Did enybody try to do this already? To get new chip is around few $. To solder it is also not the problem. The CPU/Logic board have Jtag port already. I just need to put file with bootloader and then I will be able to do firmware upgrade.
>>>
>>>
>>> Thank for all help
>>>
>>> Arek AC2FC
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>

10249. Re: [orion565] Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-31 16:51:13 UTC
From: Fernando
Topic: 10236 Message: 10249

Hello

After browsing the DragonBall User manual,

I believe that TT might be able to supply the

cpu burnt with the code. Give them a call.

Here is where I found the user manual:

<http://cache.freescale.com/files/32bit/doc/ref_manual/MC68EZ328UM.pdf?fr=gdc>

Fernando N2FQ/6
n2fq@...

On Jul 31, 2014, at 4:52 AM, Tarniowy tarniowy@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Fernando,
> How you want to load firmware? The new CPU is " empty". To load new firmware to the rig we have to press some button for processor to be ready.So in this case processor need to be per-programmed with some " bootloader " and then bootloader will give you passibility to download firmware. That's why logic board have JTag port on it.
> I can probably read the data from CPU and CPLD chip (xv95288). I only need for JTag programmer and know that the read is not blocked on the processor and CPLD (you can find in datasheet that this is the option an can be " programmed ") and I need to have good logic board to just download from CPU and CPLD .
> Again I can be wrong . Maybe somebody from Ten tec or John Henry can explain us what we have to do in this case when we want to solder " new empty CPU".
>
>
> Thanks for all help
> Arek AC2Fc
>
> Sent from my iPhone
>
> On Jul 30, 2014, at 7:43 PM, "Fernando n2fq@sbcglobal.net[orion565]" <orion565@yahoogroups.com> wrote:
>
>> Hello.
>>
>>
>> Sorry to read about your trouble.
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>> I don’t have any experience with cpu replacement

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>> but if it was determined that the cpu is defective,
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>> I would solder a new one and try to load the firmware
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>> from TT.
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>> If that fails then we Orion owners should find a way
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>> I’m just blowing smoke, again don’t have any experience
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>> Fernando N2FQ/6
>> n2fq@...
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>> On Jul 30, 2014, at 12:04 AM, tarniowy@... [orion565] <orion565@yahoogroups.com> wrote:
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>>>
>>>
>>> Thank for all help
>>>
>>> Arek AC2FC
>>>
>>>
>>>
>>
>>
>
>
>

10250. Re: [orion565] Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-07-31 16:53:52 UTC
From: Tarniowy
Topic: 10236 Message: 10250

Fernando,
In regular PC you have bios . Bios basicaly is small program that it is starting the hardware with basic function. And they you can install any different operating system (like windows, Linux etc). In ours case we need to have " some " basic program to do be able to load firmware. Brand new CPU is " blank " and need to be programmed (have basic ports, communication etc. working first).
So I think we need to have basic *.hex file for main CPU and other file (it is not hex is *.sfv) for CPLD.
Did anybody have this files?Maybe we can get this files from ten tec?
I would like to John Henry to put any comments if he is watching this group.

Thanks
Arek AC2FC

Sent from my iPhone

On Jul 31, 2014, at 12:24 PM, "Fernando n2fq@sbcglobal.net [orion565]"
<orion565@yahoogroups.com> wrote:

> Hello Arek
>
>
> Thanks for the explanation and of course your patience.
>
> I was merely going by what I read here on this webpage
>
> about “The boot process”.
>
> <http://www.webopedia.com/DidYouKnow/Hardware_Software/BootProcess.asp>
>
> Again I was just blowing wind.
>
> I sincerely hope you are successful and share the solution.
>
> Fernando N2FQ/6
> n2fq@sbcglobal.net
>
>
>
>
> On Jul 31, 2014, at 4:52 AM, Tarniowy tarniowy@yahoo.com [orion565]
<orion565@yahoogroups.com> wrote:
>
>>
>>
>> Fernando,

>> How you want to load firmware? The new CPU is " empty". To load new firmware to the rig we have to press some button for processor to be ready.So in this case processor need to be per-programmed with some " bootloader " and then bootloader will give you passibility to download firmware. That's why logic board have JTag port on it.
>> I can probably read the data from CPU and CPLD chip (xv95288). I only need for JTag programmer and know that the read is not blocked on the processor and CPLD (you can find in datasheet that this is the option an can be " programmed ") and I need to have good logic board to just download from CPU and CPLD .
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>>> Fernando N2FQ/6
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>>>> I can easy replace it but I how I can get file to programm it?Did enybody try to do this already? To get new chip is around few $. To solder it is also not the problem. The CPU/Logic board have Jtag port already. I just need to put file with bootloader and then I will be able to do firmware upgrade.
>>>>
>>>>
>>>> Thank for all help
>>>>
>>>> Arek AC2FC
>>>>
>>>
>
>

10251. RE: [orion565] Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-01 01:15:30 UTC
From: Wes Attaway (N5WA)
Topic: 10236 Message: 10251

Arek:

This is just a suggestion, but why don't you just either call John Henry yourself or send him a direct e-mail?

You have a very good question about the loading of firmware to a "bare" CPU and I am sure Ten Tec would respond to a direct contact from you.

---------- Wes Attaway (N5WA) ----------
1138 Waters Edge Circle, Shreveport, LA 71106
--- 318-393-3289 (Cell) ---
Computer Consulting and Forensics
---------- EnCase Certified Examiner ----------

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, July 31, 2014 11:54 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 565 - main CPU boodloader

Fernando,

In regular PC you have bios . Bios basicaly is small program that it is starting the hardware with basic function. And they you can install any different operating system (like windows, Linux etc). In ours case we need to have " some " basic program to do be able to load firmware. Brand new CPU is " blank " and need to be programmed (have basic ports, communication etc. working first).

So I think we need to have basic *.hex file for main CPU and other file (it is not hex is *.sfv) for CPLD.

Did anybody have this files?Maybe we can get this files from ten tec?

I would like to John Henry to put any comments if he is watching this group.

Thanks

Arek AC2FC

Sent from my iPhone

On Jul 31, 2014, at 12:24 PM, "Fernando n2fq@... [orion565]" <orion565@yahoogroups.com> wrote:

Hello Arek

Thanks for the explanation and of course your patience.

I was merely going by what I read here on this webpage

about "The boot process".

<http://www.webopedia.com/DidYouKnow/Hardware_Software/BootProcess.asp>

Again I was just blowing wind.

I sincerely hope you are successful and share the solution.

Fernando N2FQ/6

n2fq@...

On Jul 31, 2014, at 4:52 AM, Tarniowy tarniowy@... [orion565]
<orion565@yahoogroups.com> wrote:

Fernando,

How you want to load firmware? The new CPU is " empty". To load new firmware to the rig we have to press some button for processor to be ready.So in this case processor need to be per-programmed with some " bootloader " and then bootloader will give you passibility to download firmware. That's why logic board have JTag port on it.

I can probably read the data from CPU and CPLD chip (xv95288). I only need for JTag programmer and know that the read is not blocked on the processor and CPLD (you can find in datasheet that this is the option an can be " programmed ") and I need to have good logic board to just download from CPU and CPLD .

Again I can be wrong . Maybe somebody from Ten tec or John Henry can explain us what we have to do in this case when we want to solder " new empty CPU".

Thanks for all help

Arek AC2Fc

Sent from my iPhone

On Jul 30, 2014, at 7:43 PM, "Fernando n2fq@...[orion565]"
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Hello.

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If that fails then we Orion owners should find a way

to copy the internals and burn a new one as a spare.

I'm just blowing smoke, again don't have any experience

with this type of stuff.

Fernando N2FQ/6

n2fq@...

On Jul 30, 2014, at 12:04 AM, tarniowy@... [orion565]
<orion565@yahoogroups.com> wrote:

Hi,

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Thank for all help

Arek AC2FC

10252. Re: [orion565] Orion 565 - main CPU boodloader

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-01 01:33:04 UTC
From: Tarniowy
Topic: 10236 Message: 10252

Wes,
Do you have John direct phone number or his email ?

Thanks
Arek AC2FC

Sent from my iPhone

On Jul 31, 2014, at 9:15 PM, "'Wes Attaway \(N5WA\)' wesattaway@... [orion565]" <orion565@yahoogroups.com> wrote:

> Arek:
>
>
>
> This is just a suggestion, but why don’t you just either call John Henry yourself or send him a direct e-mail?
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> You have a very good question about the loading of firmware to a “bare” CPU and I am sure Ten Tec would respond to a direct contact from you.
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> ----------------- Wes Attaway (N5WA) -------------------
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>> Sent from my iPhone
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10254. FS: ORION 2

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-03 12:17:36 UTC
From: n4dd@...
Topic: 10254 Message: 10254

Lightly used Tentec Orion 2 loaded with auto-tuner and a full complement of flters. All filter slots are full. Included is the original manual and matching remote tuning pod/keypad. This is a first class radio in first class/ excellent condition. You will not be disappointed. I will sell for $2600 shipped con US. Postal money orders only. No Paypal, and no tire kickers please. Please email or call with any interst.. Thanks for your time and for the bandwidth. Dennis. N4DD

10255. orion 566 for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-03 22:51:27 UTC
From: avidmar@...
Topic: 10255 Message: 10255

O2 for sale $2400. All filters and autotuner; hand mic; heat sink fan. Original packing container and manual.
avidmar@sbcglobal.net

10256. Receiver issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-09 20:50:31 UTC
From: Steven Hammond
Topic: 10256 Message: 10256

Okay, I'm trying to set the AGC options but noticed something about the radio. After about 10-15 minutes of listening to a strong station S9+, the entire receiver (MAIN) drops to about a 1/3 of the original strength (S3). Not just that station but the whole band is dead quiet. Background noise on 20M was S3 and drop to S0-1 (barely moving). Scope shows some signals but WAY DOWN from what it was earlier. I thought it was just band conditions but I've tried it several times, different times of the day, different bands, it acts the same. However, if I find a station, e.g., 14.250 special event today, even after it dropped from S9+ to S3 or less, if I tune the Secondary Receiver to the same frequency and set the volume the same as the Main receiver, it is at least 2-3 times LOUDER than the Main receiver. It is probably something simple I have done, but I'm at a loss. The front radio settings are:

MAIN RX/TX - Ant2
SUB RX - Ant2
VFO A - TX, RX, SUB RX

AGC Slow settings:
Hang: 00.30s
Decay: 5 dB/s
Threshold: 05.40 uV

Steve Hammond
KY5M

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

10257. Re: [orion565] Receiver issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-09 20:53:38 UTC
From: catfishtwo@...
Topic: 10256 Message: 10257

what happens if you transmit for a half second, does it go back to normal?

In a message dated 8/9/2014 1:50:34 P.M. Pacific Daylight Time,
orion565@yahoogroups.com writes:

Okay, I'm trying to set the AGC options but noticed something about the
radio. After about 10-15 minutes of listening to a strong station S9+,
the entire receiver (MAIN) drops to about a 1/3 of the original strength
(S3). Not just that station but the whole band is dead quiet.
Background noise on 20M was S3 and drop to S0-1 (barely moving). Scope
shows some signals but WAY DOWN from what it was earlier. I thought it
was just band conditions but I've tried it several times, different
times of the day, different bands, it acts the same. However, if I find
a station, e.g., 14.250 special event today, even after it dropped from
S9+ to S3 or less, if I tune the Secondary Receiver to the same
frequency and set the volume the same as the Main receiver, it is at
least 2-3 times LOUDER than the Main receiver. It is probably something
simple I have done, but I'm at a loss. The front radio settings are:

MAIN RX/TX - Ant2
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AGC Slow settings:
Hang: 00.30s
Decay: 5 dB/s
Threshold: 05.40 uV

Steve Hammond
KY5M

This email is free from viruses and malware because avast! Antivirus
protection is active.
http://www.avast.com

Posted by: Steven Hammond <bcf1689@...>

Yahoo Groups Links

10258. Re: [orion565] Receiver issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-09 20:58:19 UTC
From: Steven Hammond
Topic: 10256 Message: 10258

LOL - this is receive only. The reason being, my main antenna is down and Ant2 is a double bazooka for 30M. I noticed that my other coax (Ant1) started having high SWR and when I transmitted, yes, the receive levels dropped really low. Sometimes powering off the radio and back on would help. I'm about to go run new coax to Ant1 to see if I still have issues.

Steve Hammond
KY5M
On 8/9/2014 15:53, catfishtwo@... [orion565] wrote:
>
> what happens if you transmit for a half second, does it go back to normal?
> In a message dated 8/9/2014 1:50:34 P.M. Pacific Daylight Time,
> orion565@yahoogroups.com writes:
>
> Okay, I'm trying to set the AGC options but noticed something
> about the
> radio. After about 10-15 minutes of listening to a strong station
> S9+,
> the entire receiver (MAIN) drops to about a 1/3 of the original
> strength
> (S3). Not just that station but the whole band is dead quiet.
> Background noise on 20M was S3 and drop to S0-1 (barely moving).
> Scope
> shows some signals but WAY DOWN from what it was earlier. I
> thought it
> was just band conditions but I've tried it several times, different
> times of the day, different bands, it acts the same. However, if
> I find
> a station, e.g., 14.250 special event today, even after it dropped
> from
> S9+ to S3 or less, if I tune the Secondary Receiver to the same
> frequency and set the volume the same as the Main receiver, it is at
> least 2-3 times LOUDER than the Main receiver. It is probably
> something
> simple I have done, but I'm at a loss. The front radio settings are:
>
> MAIN RX/TX - Ant2
> SUB RX - Ant2
> VFO A - TX, RX, SUB RX
>
> AGC Slow settings:
> Hang: 00.30s
> Decay: 5 dB/s
> Threshold: 05.40 uV

>
> Steve Hammond
> KY5M
>
> ---
> This email is free from viruses and malware because avast!
> Antivirus protection is active.
> http://www.avast.com
>
>
>
> ------------------------------------
> Posted by: Steven Hammond <bcf1689@...>
> ------------------------------------
>
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> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

10259. Re: Receiver issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-10 15:26:07 UTC
From: Rolf Krogstad
Topic: 10256 Message: 10259

The question about transmitting is legit. The may be a relay issue and transmitting might cause the receiver to return to normal. If that were the case you would have narrowed down where to look.
GL
Rolf. NR0T
Loc EN34it

10260. Re: Receiver issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-13 19:39:57 UTC
From: pa1ap@...
Topic: 10256 Message: 10260

Indeed logic validation step. In case you have antenna tuner try switching off/on/off through the menu setting. I know the tuner can sometimes lock up. To exclude the tuner from the chain, just connect antenna to ant2 port and switch main to rx ant2 too... Although obvious; is the cpu battery end of life perhaps? That one creates many weird issues when approaching EOL... give it 5-7 years and you are getting in EOL zone.Best regards, Onno

10261. Re: [orion565] Re: Receiver issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-13 20:24:53 UTC
From: Steven Hammond
Topic: 10256 Message: 10261

I just bought the Orion II a couple of months ago and it was still in the box from being shipped by Ten Tec for a tune-up and battery replacement. :-)

I will try all your suggestions. I need to replace the coax first (213 with LMR400). If I could just convince the puppy that it ain't a CHEW TOY. :-(

Steve Hammond
KY5M

On 8/13/2014 2:39 PM, pa1ap@... [orion565] wrote:
>
> Indeed logic validation step. In case you have antenna tuner try
> switching off/on/off through the menu setting. I know the tuner can
> sometimes lock up. To exclude the tuner from the chain, just connect
> antenna to ant2 port and switch main to rx ant2 too... Although
> obvious; is the cpu battery end of life perhaps? That one creates many
> weird issues when approaching EOL... give it 5-7 years and you are
> getting in EOL zone.Best regards, Onno
>
>

10263. Factory tour

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-18 01:58:36 UTC
From: grant@...
Topic: 10263 Message: 10263

I'll be in sevierville Tuesday to get my Orion I repaired on way to wake forest in WS NC

10264. Re: [orion565] Re: Receiver issues

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-19 20:38:46 UTC
From: k1fpv@...
Topic: 10256 Message: 10264

Hi Steve,I hope you get everything straightened out. I had a similar issue with my #2 tower with my VHF & UHF antennas. In my case, apparently squirrels and mice thought the coax(LMR-400) and rotor cables were snacks. That was a costly venture!

Good Luck,
Bill/K1FPV

10265. Looking for Logic Board for Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-21 20:48:27 UTC
From: tarniowy@...
Topic: 10265 Message: 10265

I am looking for logic board for Orion 565 or for "tech special or for parts " radio.
My emal is tarniowy@yahoo.com mailto:tarniowy@yahoo.com

Thanks
Arek AC2FC

10266. Orion and mfj 1279t

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-21 22:02:30 UTC
From: Ronnie Hull
Topic: 10266 Message: 10266

Anyone use the mfj1279t with thier Orion? I have questions!

Ronnie w5sum

Sent from Ronnie's IPhone

10267. What Settings - Elecraft P3 with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-24 21:12:29 UTC
From: Torrey Mitchell
Topic: 10267 Message: 10267

I have completed the 9 Mhz IF output Orion II modification using the Clifton Laboratories preamp. It works "slick". However, I am confused about how to set up the P3. The 9 MHZ (inverted) transceiver choice seems best. Is there a better way using the "user-defined transceiver" custom setup. I find it very confusing in that, at times, the SVGA screen is a mirror image of the P3 screen.

Looking for recommendations from someone who is happy with their P3 settings.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, August 21, 2014 17:03
To: orion565@yahoogroups.com
Subject: [orion565] Orion and mfj 1279t

Anyone use the mfj1279t with thier Orion? I have questions!

Ronnie w5sum

Sent from Ronnie's IPhone

10268. Connecting Orion to Ham Radio Deluxe or N4PY control software

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-27 16:45:05 UTC
From: sp7wt@...
Topic: 10268 Message: 10268

I have a trouble to connect my Orion to either HRD or N4PY software.
None of the software connects to the Orion. Port number is correct, speed 57600 bd.
For computer-radio connection I use a 3 wire cable, pins 2,3,5 used.
OS is Win7.
Am I missing something?

Tom, SP7WT

10269. RE: [orion565] Connecting Orion to Ham Radio Deluxe or N4PY control software

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-27 17:09:48 UTC
From: Torrey Mitchell
Topic: 10268 Message: 10269

My Orion has no connection issues. Using standard USB to RS-232 adapter. Are you attaching to the correct RS-232 connector on the back?

Attached are my setting in HRD.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Wednesday, August 27, 2014 11:45
To: orion565@yahoogroups.com
Subject: [orion565] Connecting Orion to Ham Radio Deluxe or N4PY control software

I have a trouble to connect my Orion to either HRD or N4PY software.
None of the software connects to the Orion. Port number is correct, speed 57600 bd.
For computer-radio connection I use a 3 wire cable, pins 2,3,5 used.
OS is Win7.
Am I missing something?

Tom, SP7WT

[Non-text portions of this message have been removed]

10270. Orion 2 for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-28 14:46:33 UTC
From: Bill Axelrod
Topic: 10203 Message: 10270

This Orion II is a one owner (non-smoking) radio. It has 1.8, 600, and 300 Hz filters, external fan, remote key-pad, original and full connector bag (unused), and a Level Converter/Relay Driver (from Array Solutions) to interface with shack automation hardware.

I will also include a cable assembly from Micro-Ham USA to interface with their series of micro Keyers if you would like (a $90 value). Original manual and box.

Asking $2600 and will split shipping in the continental USA. Pictures available on request.

Please contact me at email bill@... or via phone at 309 699-0408.

73.... Bill K3WA

10271. For Sale TT 566AT Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-28 16:48:17 UTC
From: wb7ac@...
Topic: 10271 Message: 10271

This absolutely beautiful Ten Tec Orion II with the ATU & matching External Speaker has got to go. It has been updated to the latest Firmware Version V3 and works perfectly. Loaded with the 20kHz, 6.0kHz, 2.4kHz, 1.0kHz and the Optional 600Hz Roofing Filters. Also has the Optional rear Cooling Fan installed. Comes with the Original Box and Inserts, Original Manual, Speaker Cable and Power Cord all in excellent condition. Do not have the original speaker box. Price is $2295 shipped/insured with payment by PayPal or Postal Money Order CONUS only. May consider a partial trade.

Tnx, John - WB7AC
email: wb7ac@sbcglobal.net

10272. Re: For Sale TT 566AT Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-29 02:12:19 UTC
From: wb7ac@...
Topic: 10271 Message: 10272

Thanks, the Orion II is a "Pending Sale"! John - WB7AC

10273. Re: Connecting Orion to Ham Radio Deluxe or N4PY control software

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-29 15:16:20 UTC
From: pa1ap@...
Topic: 10268 Message: 10273

yes it seems you are missing the appropriate wires for CTS. Please see if you can connect pin 7 & 8 as well. Hope this helps. Regards, Onno pa1ap

10274. Re: Connecting Orion to Ham Radio Deluxe or N4PY control software

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-30 09:44:15 UTC
From: pa1ap@...
Topic: 10268 Message: 10274

Following the serial command manual confirms the cable should be straight pin 2 - pin 2 / pin 3 - pin 3 / pin5 - pin5 /pin 7 - pin 7 / pin 8 - pin 8.... that should make the serial connection work.

In case the cable pins are correct you might have an unfortunate defective RS232 chip on your logic board. This can happen when the computer is connected to a different ground while connecting the serial cable. The associated voltage difference can fry your RS232 chip (typically RX pin)...

The way to test this; switch off the orion 565. Connect the serial cable. Start a serial console program on your computer (and selected the correct serial port). switch on the orion 565... When the orion 565 is started it will send out a pwr on control sequence to the serial port. The serial console program would display this control sequence. In case you see a response from the orion 565 you know it can transmit a command to the computer. 50% confirmed :-) Last but not least, just type something within the serial console program. Confirm the text with enter and this will send a "bogus" command to the orion 565. If the serial controller on the orion 565 is working correctly it will complain about the command you have send and return an error response. If you receive the error response it is time to get a beer and relax... The serial controller rx/tx are working well.

Now if above is to much work you can also download a serial tester I wrote long time ago. It will run on windows (most of the time) and it will do all above (and more) for you. You just follow the instructions on the screen and it will confirm by green / orangr / red status of the serial connection. And yes, it has a function to test CTS so that will be confirmed too.

Hope this helps, best regards, Onno

10275. Re: Connecting Orion to Ham Radio Deluxe or N4PY control software

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-31 12:45:21 UTC
From: Paul A. Ramey
Topic: 10268 Message: 10275

If you can connect with a different program, then the first time you use HRD with the Orion tell HRD that it is a Eagle. Then restart it telling it that it is a Orion.
I have found that sometimes that is the only way I can get my 565 to talk to HRD. Works great after the restart.

Paul, WG0G

10276. Re: [orion565] Re: Connecting Orion to Ham Radio Deluxe or N4PY control software

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-31 13:11:32 UTC
From: Tarniowy
Topic: 10268 Message: 10276

I have the same thing here. First Eagle and then changed to Orion (566) . Works fine after that .

Arek AC2FC

Sent from my iPhone

On Aug 31, 2014, at 8:45 AM, "'Paul A. Ramey' wg0g@... [orion565]" <orion565@yahoogroups.com> wrote:

> If you can connect with a different program, then the first time you use
> HRD with the Orion tell HRD that it is a Eagle. Then restart it telling
> it that it is a Orion.
> I have found that sometimes that is the only way I can get my 565 to
> talk to HRD. Works great after the restart.
>
> Paul, WG0G
>
>

10277. Re: Connecting Orion to Ham Radio Deluxe or N4PY control software

Yahoo group: orion565 (2014 — 2017)
Date: 2014-08-31 20:35:03 UTC
From: jsmith207@att.net
Topic: 10268 Message: 10277

Here are a few specific details that may also help.

The serial port program must set the PC serial port to 57.6K baud, 8 data bits, 1 stop bit, and No Parity bits. The handshake needs to be set to hardware RST/CTS. These are required by the Orion / Orion II, and cannot be changed.

Using the power on sequence that Ono mentioned, the Orion will respond with the string '<sp><sp>ORION<sp>START<cr>'. <sp> is the space character. <cr> is the carriage return character.

Rather than send a 'bogus' command, use the serial command that returns the VFO A frequency, '*AF<cr>'. Be sure NOT to include the single quotes (').

You should receive back the following string: '@AF14250000<cr>', or whatever the VFO A frequency is being displayed on your Orion screen.

A second test would be to change the VFO A frequency using this command: *AF14255000<cr>'. The VFO A frequency display should change to the new frequency. The Orion will not provide a response to the '*AF' commands.

If both of these commands work, the serial port connection should be functioning properly.

I have used Ono's serial tester application extensively, it works very well, and does help understand what is happening with the serial commands. I recommend it!

73..
Howard, WA9AXQ

10278. Re: Connecting Orion to Ham Radio Deluxe or N4PY control software

Yahoo group: orion565 (2014 — 2017)
Date: 2014-09-01 14:49:55 UTC
From: jsmith207@att.net
Topic: 10268 Message: 10278

I need to correct a mistake in my previous post. The serial command that returns the VFO A frequency should be '?AF<cr>', instead of the '*AF<cr>' that was in the my original post.

Enjoy the holiday.

73..
Howard, WA9AXQ

10279. FS: Orion Model 565AT

Yahoo group: orion565 (2014 — 2017)
Date: 2014-09-02 19:25:17 UTC
From: W8NJR@...
Topic: 10279 Message: 10279

I have a Orion I, Model 565AT for sale. It has the antenna tuner, the 1.8, 500 hz, and the 250 hz filters installed. The firmware is version 3.032x5. It is in VGC and working. I am the second owner on this rig having bought it from the original owners estate. I am selling it to make room for a Orion II which I purchased.

PRICE; $1650.00 which includes shipping to the lower 48 states. I will only sell and ship to the lower
48 states. It will be packed in the original shipping container

The radio comes with 2 owners manuals, the programmers ref. guide, and some other setup info. It will have the digital sound card cable with it also. If you are looking for a Orion I, this is a nice one.

If interested, please contact me at _w8njr@..._ (mailto:w8njr@...)

73, Terry-W8NJR

10280. Orion II for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2014-09-05 14:51:26 UTC
From: Bill Axelrod
Topic: 5791 Message: 10280

This Orion II is a one owner (non-smoker) radio. It has 1.8, 600, and 300 Hz filters, external fan, remote key-pad, original (and full connector bag} (unused), and a Level Converter/Relay Driver (from Array Solutions) to interface with shack automation hardware.

I will also include a cable assembly from Micro-Ham USA to interface with their series of MicroKeyers if you would like (a $90 value). Original manual and box.

Asking $2250 and will split shipping in the continental USA. Pictures available on request.

Please contact me at email bill@... or via phone at 309 699-0408.

10281. PA module/brick of O1

Yahoo group: orion565 (2014 — 2017)
Date: 2014-09-06 10:50:25 UTC
From: f3wt@...
Topic: 10281 Message: 10281

Hi all:

Does somebody have PA a spare brick left somewhere?
Mine is down again.
I had my O1 going up again (to 30W though only) after replacing the finals by a new matched pair (2SC2992MP) from RF-parts.
The bias setting isn't easy at all and - unlike the PA of TR7, which BTW, is much more robust - it is quite cumbersome to segregate the final push-pull circuit current consumption to set to recommended 500mA .
I didn't replace so far the drivers (2SC3133). I should have. MP as well! Very expensive though!
On O2 they are MOSFETs now. And moreover , individually bias setting is given for balancing.
Has anybody replaced an O1 PA brick by an O2 one?
Thanks you.
Best.
Pierre.

F3WT

10282. Totally Disable AGC for Orion & Orion II ?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-09-10 15:36:48 UTC
From: k1fpv@...
Topic: 10282 Message: 10282

I don't think it is possible via a firmware update, but have noticed when attempting to shut off the AGC via the front button on my Orion II, even though the AGC says off, a strong signal within the bandpass of the filter still attenuates some signal strength. This is a bit frustrating especially when operating on digital modes (JT-65 and PSK31). As a result, I now only operate digi modes using my TS-590s and my FT-2000 where I can totally shut off the AGC. I've noticed the same thing with my OMNI VII.

Is there a way to shut off the AGC easily.....hopefully via a firmware update?

Bill
K1FPV

10283. Re: Totally Disable AGC for Orion & Orion II ?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-09-11 08:16:19 UTC
From: pa1ap@...
Topic: 10282 Message: 10283

The orion has actually two AGC elements. One AGC element is DSP based and the second element is hardware based. I will need to look back into my notes but something like first 80dB is done by DSP and remaining 20dB is done by hardware. Latter you can not switch off. If you want to avoid hardware AGC perhaps just attenuate the incoming signal? On another note; was JT-65 not about weak signal processing? Best regards, Onno pa1ap

10284. Re: Totally Disable AGC for Orion & Orion II ?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-09-11 17:39:10 UTC
From: k1fpv@...
Topic: 10282 Message: 10284

Yes, it is about weak signals. However, when you have a strong signal nearby, that little bit of AGC often prevents decoding of the weaker signal. I now mostly use an FT-2000 or TS-590s as those transceivers can totally disable the AGC.

Bill/K1FPV

10285. Re: Totally Disable AGC for Orion & Orion II ?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-09-12 07:02:51 UTC
From: pa1ap@...
Topic: 10282 Message: 10285

I have little experience with digital modes and associated AGC challenges. If a nearby signal (within passband) is very strong I would expect without AGC a worse audio signal than with AGC. A neary signal (outside passband) should not even touch AGC. Perhaps the issue is elsewhere; how do you connect the digital mode decoder to the radio? I remember from past that some audio output goes into clipping when driven to hard. Can you share details regarding your setup? Regards, Onno

10286. QSK with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-09-24 22:18:24 UTC
From: Mike Schatzberg
Topic: 10286 Message: 10286

Hello O2 Fans,

The Orion II has a built in 15 ms delay following the closure of the amplifier contacts before the rig outputs RF. This is true for both Ant 1 and Ant 2 output connections, and is the same delay for both SSB as well as CW operation. It can not be adjusted.

Have any members experienced speed limitations with this delay while operating QSK CW?

While I have never noticed an issue, I work generally at speeds under 25 wpm with my QSK break-in system while running my amplifiers. I also use a slight amount of hang time to keep the amp keyed which is menu adjustable.

Your input is appreciated.

Tnx.

73,

Mike
W2AJI

Sent from my iPhone

10287. Re: QSK with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-09-25 14:49:52 UTC
From: k1fpv@...
Topic: 10286 Message: 10287

Hi Mike,

Well, I've never noticed any problems with delay on my Orion II....but again, I hate QSK and usually have a decent delay in the TX relay release time when operating CW, even though I'm often on at speeds that vary from 10 to 25 WPM. I also use the Ten-Tec 318 with my Argonaut VI to add delay when I use an amplifier other than the 418.

Bill
K1FPV

10288. FS: Orion II (566AT)

Yahoo group: orion565 (2014 — 2017)
Date: 2014-09-30 23:18:23 UTC
From: johnnykludt@...
Topic: 10288 Message: 10288

Selling Orion II with internal antenna tuner, fan, RX-366 Subreceiver. All filter slots populated in both main and second receiver. External speaker, TenTec power supply, Tentec 708 microphone, RF speech processor. Original owner, non-smoker. Package deal, asking $3,400. Will ship within CONUS.

If interested contact John, K4SQC, off reflector at k4sqc@arrl.net

John Kludt, K4SQC

10289. Once again - Receivers

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-05 22:27:08 UTC
From: Chuck Davis
Topic: 10289 Message: 10289

I traded two old working Kenwoods for a new (to me) TT Orion 565.Problem is the receiver acts like the antenna is disconnected – it’s not.
I do have the antennas set in the menu screen and the audio paths routed to the main speaker. Remember, the audio is just white noise.
Everything was working fine until I disconnected the Kenwoods.Maybe I should have to you this before but the internal battery is dead, it doesn’t have a mic and the software is 2.0.56. I know there are newer versions but the receiver should work.
Yes, I’ve spent 3+ hours going though the Yahoo 565 files looking for something that relates to this but I’ve had no lick.
Any help would be appreciated.
73,
Chuck W7CWD

10290. RE: [orion565] Once again - Receivers

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-05 22:56:43 UTC
From: Duane Calvin
Topic: 10289 Message: 10290

Chuck,

Practically nothing works right if the battery is, indeed, dead. You can get a replacement from TT for around $15, and they will send instructions on how to replace it (assuming you're handy.)

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, October 05, 2014 5:27 PM
To: orion565@yahoogroups.com
Subject: [orion565] Once again - Receivers

I traded two old working Kenwoods for a new (to me) TT Orion 565.Problem is the receiver acts like the antenna is disconnected – it's not.

I do have the antennas set in the menu screen and the audio paths routed to the main speaker. Remember, the audio is just white noise.

Everything was working fine until I disconnected the Kenwoods.Maybe I should have to you this before but the internal battery is dead, it doesn't have a mic and the software is 2.0.56. I know there are newer versions but the receiver should work.

Yes, I've spent 3+ hours going though the Yahoo 565 files looking for something that relates to this but I've had no lick.

Any help would be appreciated.

73,

Chuck W7CWD

[Non-text portions of this message have been removed]

10291. Re: [orion565] Once again - Receivers

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-05 23:09:37 UTC
From: W7CWD
Topic: 10289 Message: 10291

Fortunately I am handy. Tomorrow I'll contact TT and order a battery and mic.
Thanks - I'll quit beating my head against a wall trying to get the RX to work until I get a new battery.
73,
Chuck

> On Oct 5, 2014, at 15:56, "'Duane Calvin' ac5aa1@... [orion565]" <orion565@yahoogroups.com> wrote:
>
> Chuck,
>
> Practically nothing works right if the battery is, indeed, dead. You can get a replacement from TT for around $15, and they will send instructions on how to replace it (assuming you’re handy.)
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com <http://www.ac5aa.com/>
>
> <http://www.centraltexasbluegrass.org/join.html> ctba_gr
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Sunday, October 05, 2014 5:27 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] Once again - Receivers
>
> I traded two old working Kenwoods for a new (to me) TT Orion 565.Problem is the receiver acts like the antenna is disconnected – it’s not.
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> I do have the antennas set in the menu screen and the audio paths routed to the main speaker. Remember, the audio is just white noise.
>
> Everything was working fine until I disconnected the Kenwoods.Maybe I should have to you this before but the internal battery is dead, it doesn’t have a mic and the software is 2.0.56. I know there are newer versions but the receiver should work.
>
> Yes, I’ve spent 3+ hours going though the Yahoo 565 files looking for something that relates to this but I’ve had no lick.
>
> Any help would be appreciated.
>
> 73,
>

> Chuck W7CWD
>
> [Non-text portions of this message have been removed]
>
>

10292. Re: [orion565] Once again - Receivers

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-05 23:33:48 UTC
From: Barry N1EU
Topic: 10289 Message: 10292

Battery replacement instructions and info:
http://www.tentecwiki.org/doku.php?id=565battery

I suggest you flash with the latest firmware - that could possibly bring
the rx back to life.

73/GL,
Barry N1EU

On Sun, Oct 5, 2014 at 11:09 PM, W7CWD w7cwd@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Fortunately I am handy. Tomorrow I'll contact TT and order a battery and
> mic.
> Thanks - I'll quit beating my head against a wall trying to get the RX to
> work until I get a new battery.
> 73,
> Chuck
>
>
>
> On Oct 5, 2014, at 15:56, "'Duane Calvin' ac5aa1@... [orion565]" <
> orion565@yahoogroups.com> wrote:
>
>
>
>
> Chuck,
>
> Practically nothing works right if the battery is, indeed, dead. You can
> get a replacement from TT for around $15, and they will send instructions
> on how to replace it (assuming you’re handy.)
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com <http://www.ac5aa.com/>
>
> <http://www.centraltexasbluegrass.org/join.html> ctba_gr
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com
> <orion565@yahoogroups.com>]
> Sent: Sunday, October 05, 2014 5:27 PM
> To: orion565@yahoogroups.com

> Subject: [orion565] Once again - Receivers
>
> I traded two old working Kenwoods for a new (to me) TT Orion 565.Problem
> is the receiver acts like the antenna is disconnected – it’s not.
>
> I do have the antennas set in the menu screen and the audio paths routed
> to the main speaker. Remember, the audio is just white noise.
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> should have to you this before but the internal battery is dead, it doesn’t
> have a mic and the software is 2.0.56. I know there are newer versions but
> the receiver should work.
>
> Yes, I’ve spent 3+ hours going though the Yahoo 565 files looking for
> something that relates to this but I’ve had no lick.
>
> Any help would be appreciated.
>
> 73,
>
> Chuck W7CWD
>
> [Non-text portions of this message have been removed]
>
>
>

10293. Re: Once again - Receivers

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-06 10:53:35 UTC
From: Edward A. Feustel
Topic: 10289 Message: 10293

Chuck,
I trust that you did a Master Reset. If not, try that first.
73,
Ed, N5EI

10294. Re: Once again - Receivers

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-06 12:53:45 UTC
From: Paul A. Ramey
Topic: 10289 Message: 10294

I have a 565 and I have had it do some strange things. Mine will have RX problems on both or ether the A or B.
When the radio starts doing things that are not correct I do a complete RESET of the radio. One time It came back from TT and the B side would not let me input any out of band freq,s . Call Paul in service and he told me to try a reset. It worked. the radio is almost as much a computer as it is a radio. ALL computers have problems that a reboot/reset will clear.
It is a no cost way to try and fix a problem

Paul, WG0G

10295. Re: [orion565] Re: Once again - Receivers

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-06 15:09:44 UTC
From: W7CWD
Topic: 10289 Message: 10295

Yes, I did a master reset (multiple times) and even did a master RAM clear all to no avail.
73,
Chuck

> On Oct 6, 2014, at 3:53, "'Edward A. Feustel' efeustel@... [orion565]"
<orion565@yahoogroups.com> wrote:
>
> Chuck,
> I trust that you did a Master Reset. If not, try that first.
> 73,
> Ed, N5EI
>

10296. Re: [orion565] Re: Once again - Receivers

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-06 17:03:10 UTC
From: catfishtwo@...
Topic: 10289 Message: 10296

also if it is 5 years old or more, you will get all kinds of weird problems when the memory battery fails.. tom N6AJR

In a message dated 10/6/2014 5:53:47 A.M. Pacific Daylight Time, orion565@yahoogroups.com writes:

I have a 565 and I have had it do some strange things. Mine will have RX problems on both or ether the A or B.
When the radio starts doing things that are not correct I do a complete RESET of the radio. One time It came back from TT and the B side would not let me input any out of band freq,s . Call Paul in service and he told me to try a reset. It worked. the radio is almost as much a computer as it is a radio. ALL computers have problems that a reboot/reset will clear.
It is a no cost way to try and fix a problem

Paul, WG0G

Posted by: "Paul A. Ramey" <wg0g@...>

Yahoo Groups Links

10297. PA1AP's Orion backup & restore

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-10 03:06:00 UTC
From: Mike Pagel, K9UW
Topic: 10297 Message: 10297

Onno, I recently went to this group’s files section and did not find a copy of your “Orion Back and Restore” program. Is is still available?

73, de Mike, K9UW
Amherst, WI

10298. Re: PA1AP's Orion backup & restore

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-10 11:56:15 UTC
From: Onno PA1AP
Topic: 10297 Message: 10298

It should be available for download using the following link;

https://www.box.com/pa1ap

Its an old program and it might not install on more recent windows versions. I have not verified that so your miles may vary ;-)

best regards, Onno

10299. Orion (565) & digital modes .....

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-10 12:34:25 UTC
From: mm0xxw@...
Topic: 10299 Message: 10299

Thanks for including me in your group, so a question regarding HRD & digital operation from a new owner!

My PC is a laptop running W7 (4Gb RAM 750HDD) and is not overly cluttered!
I've hooked up HRD via a data mode cable (https://radioarena.co.uk/index.php?_a=product&product_id=2707) and I am successfully receiving signals via DM-780, so far so good!
All is fine with the connections, my logging programme is Log4OM and all the facilities work so no issues with the RS232-USB connection.

I have the radio set with the following;
The 'mic' setting is zero (0) ...
Power at 35w ...
SP is 'Off' ...
Mode is 'FSK' ....
now I can see that I am transmitting as I have an external swr/pwr meter connected however I am not so sure that I am actually transmitting any of my data.
The 'ALC' light comes on when I try to tx despite have the mic turned off, is this normal?

I'm not too sure exactly what I need to look for but would appreciate any advice on this subject and, sincere, apologies if this is a regurgitated thread!

Martyn-MM0XXW

10300. Re: Orion (565) & digital modes .....

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-13 06:08:54 UTC
From: pa1ap@...
Topic: 10299 Message: 10300

Hi Martyn,

Welcome to the group. Hope you will enjoy it.

If you switch to FSK mode it is expected you connect a TTL signal to aux i/o connector pin 7. Since FSK switches between two frequencies I think it is expected you would see ALC in action since you are transmitting one of the tones. The idea is that the TTL signal will generate the FSK signal. Within the "others" menu you can swap mark/space.

In case you want to use sound card based "digital modes" you would need to connect the sound card (recommendation to use transformers) to the same aux connector pin 1 (audio input) and either pin 4 or 6 (audio left/right output). Once physically connected you can select audio input within the menu to choose mic or aux or both. Same menu provides audio input level adjustment.

Hope this helps, Best regards, Onno pa1ap
Pin 7 is the FSK mark/space input. 5 volts =
1 = mark, 0 volts = 0 = space. See
FSK
OPERATION
section in Chapter 4.

---In orion565@yahoogroups.com, <mm0xxw@...> wrote :

Thanks for including me in your group, so a question regarding HRD & digital operation from a new owner!

My PC is a laptop running W7 (4Gb RAM 750HDD) and is not overly cluttered!
I've hooked up HRD via a data mode cable (https://radioarena.co.uk/index.php?_a=product&product_id=2707) and I am successfully receiving signals via DM-780, so far so good!
All is fine with the connections, my logging programme is Log4OM and all the facilities work so no issues with the RS232-USB connection.

I have the radio set with the following;
The 'mic' setting is zero (0) ...
Power at 35w ...
SP is 'Off' ...
Mode is 'FSK' ....
now I can see that I am transmitting as I have an external swr/pwr meter connected however I am not so sure that I am actually transmitting any of my data.
The 'ALC' light comes on when I try to tx despite have the mic turned off, is this normal?

I'm not too sure exactly what I need to look for but would appreciate any advice on this subject and, sincere, apologies if this is a regurgitated thread!

Martyn-MM0XXW

10301. Re: Orion (565) & digital modes .....

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-13 06:11:03 UTC
From: pa1ap@...
Topic: 10299 Message: 10301

Hi Martyn,

I just noticed the chapter I copied from the manual seems to be in large font. That was not the intention. I just wanted to include a small quote but it turns out to be the opposite. Sorry.

10302. Re: Orion (565) & digital modes .....

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-13 15:47:54 UTC
From: mm0xxw@...
Topic: 10299 Message: 10302

Hey Onno thanks for the reply but I kind of managed to figure it all out myself despite the poor reference in the manual!
However for this particular route I am writing some basic instructions which I will upload to the site as soon as I have made them precise and clear!

Martyn-MM0XXW
mm0xxw@gmx.us

10303. FS: Orion 565 Classic / 311 Band Decoder

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-13 17:16:08 UTC
From: qrzthedx@...
Topic: 10303 Message: 10303

Hey Gang,

I've purchased an Omni VII, so now selling my lightly used Orion 565 Classic. Excellent rig from a non-smoking environment. Includes the 2 optional Ten-Tec CW filters, power cable, original manual, and the shipping carton from Ten-Tec. It also has a relatively new battery and the latest firmware upgrade. The LCD screen has good contrast and brightness. All encoders and controls are fully responsive, except for the typical periodic RIT intermittent issue. No mike, tuner, or other accessories. A terrific rig, I'm just downsizing.

$1,350 shipped Stateside. I've posted online pics at: http://tinyurl.com/l95wjem http://tinyurl.com/l95wjem

Also available: TenTec 311 Band Decoder which provides auto-bandswitching of an Orion with a Hercules II p.a., $55, shipped. (The Orion buyer gets right of first refusal, so to be sold after the 565.)

Please contact direct, off-list. 73, Ron K5XK

Ron Evans
Bella Vista, Ark.
K5XK@arrl.net mailto:K5XK@arrl.net

479-270-5584

10304. band decoder

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-13 19:20:13 UTC
From: Fernando
Topic: 10304 Message: 10304

Hello

I saw your post on the Orion reflector,

I’m interested in the 311.

I can pay with either Paypal or Postal Money Order.

Let me know.

Fernando N2FQ/6
n2fq@...

10305. Re: Orion (565) & digital modes .....

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-14 17:45:10 UTC
From: pa1ap@...
Topic: 10299 Message: 10305

It would be great if you can share your instructions with the group! Thanks in advance.
Regards, Onno

10306. Re: Orion (565) & digital modes .....

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-14 19:28:14 UTC
From: mm0xxw@...
Topic: 10299 Message: 10306

I'm just placing them in a basic Microsoft word package then I will upload them once I have been over them and re-read just to make sure all the steps are clear and concise!

Martyn-MM0XXW

10307. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-16 10:03:17 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 10307

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Digital data lead - Orion.docx
Uploaded by : martynwhyte <mm0xxw@...>
Description : A simple way of accessing digital modes for the Orion

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/Digital%20data%20lead%20-%20Orion.docx

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

martynwhyte <mm0xxw@...>

10308. OT-11

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-17 21:33:31 UTC
From: rw3lb1967@...
Topic: 10308 Message: 10308

.All regard! Where possible buy tuner OT-11 Orion-565? 73!!! Serge

10309. HI

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-22 12:28:00 UTC
From: jimmyad4qt@...
Topic: 10309 Message: 10309

http://www.19870609.com/zboard/data/images/Ill.php?4x0uz2e2drgh

Jimmy Hill
jimmyad4qt@...

++++++++
It is fatal to live too long.

10310. or(8):

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-26 13:41:40 UTC
From: russp@...
Topic: 10310 Message: 10310

http://www.13lune.it/6f5vv9n84k3j2h1dx.php

''''''''''''''''''''''''''''''''''

Ann Santisteban

10311. bm(5):

Yahoo group: orion565 (2014 — 2017)
Date: 2014-10-30 23:44:40 UTC
From: russp@...
Topic: 10311 Message: 10311

http://www.portaldj.vsi.ru/3d2v7c6h5ws1wm.php

Breanne Picchetti

10312. Tentec Orion 565AT Loaded

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-01 22:36:37 UTC
From: n5tf@...
Topic: 10312 Message: 10312

I have a Tentec 565AT, appears and operates as new. Loaded with all filters. Full Output. No Mike. Original manual. Listed here first, then QTH and EHAM later today. $1550.00 shipped to lower 48. I also have a remote encoder tuning knob as new $115.00 shipped to lower 48. Tentec USB Soundcard Model 712 $45.00 shipped to lower 48.

10313. Issue with Orion II rx gain distribution?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-27 00:25:05 UTC
From: Barry N1EU
Topic: 10313 Message: 10313

For all the Orion 2 owners out there, please have a listen to this recording: http://n1eu.com/566rx.mp3

It's an edited recording of NQ2T, WF2S, N2GM each calling LX9DX with s9+ signals with my 566 connected to a dipole. In each snippet you can hear a distorted signal with RF Gain ~ 40 and then the RF Gain cut back to ~ 20 and the distortion is gone. I tried different AGC settings and it made no difference.

I have heard this behavior many times on the 566 (Orion 2). I have NEVER heard it on my 565 (Orion 1). Under the same circumstance, the 565 won't distort with RF Gain at 100.

I'd appreciate comments on whether other 566 owners have ran into this. Also any general comments or theories are welcome.

73, Barry N1EU

10314. Re: Issue with Orion II rx gain distribution?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-27 15:21:08 UTC
From: Barry N1EU
Topic: 10313 Message: 10314

Just wanted to post a follow-up with what I've gleaned so far.

The distortion is ADC overload in the 566 and the distortion goes away when the PRE is switched off. Normally the analog AGC (PIN diode attenuator) protects the ADC from overload, but the PRE must be after the analog AGC level detector and is working against it. I can only speculate why the Orion I 565 is immune from the overload. I had the 565 and 566 side-by-side this morning tuning in strong 80M signals and confirmed their different behavior.

73, Barry N1EU

On Thu, Nov 27, 2014 at 12:25 AM, Barry N1EU <barry.n1eu@...> wrote:

> For all the Orion 2 owners out there, please have a listen to this
> recording: http://n1eu.com/566rx.mp3
>
> It's an edited recording of NQ2T, WF2S, N2GM each calling LX9DX with s9+
> signals with my 566 connected to a dipole. In each snippet you can hear a
> distorted signal with RF Gain ~ 40 and then the RF Gain cut back to ~ 20
> and the distortion is gone. I tried different AGC settings and it made no
> difference.
>
> I have heard this behavior many times on the 566 (Orion 2). I have NEVER
> heard it on my 565 (Orion 1). Under the same circumstance, the 565 won't
> distort with RF Gain at 100.
>
> I'd appreciate comments on whether other 566 owners have ran into this.
> Also any general comments or theories are welcome.
>
> 73, Barry N1EU
>

10315. Re: Issue with Orion II rx gain distribution?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-27 16:40:03 UTC
From: n4be_jim@...
Topic: 10313 Message: 10315

Is the noise blanker on or off? The hardware NB does tend to add distortion to strong signals.

10316. Re: [orion565] Re: Issue with Orion II rx gain distribution?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-27 18:07:37 UTC
From: Billy Cox
Topic: 10313 Message: 10316

Interesting observations Barry,

Did you try an earlier firmware version,
just to see if there is any change?

73 es Happy Thanksgiving to ALL,

Billy, AA4NU

----- Original Message -----
From: "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com>

Just wanted to post a follow-up with what I've gleaned so far.

The distortion is ADC overload in the 566 and the distortion goes away when the PRE is switched off. Normally the analog AGC (PIN diode attenuator) protects the ADC from overload, but the PRE must be after the analog AGC level detector and is working against it. I can only speculate why the Orion I 565 is immune from the overload. I had the 565 and 566 side-by-side this morning tuning in strong 80M signals and confirmed their different behavior.

73, Barry N1EU

On Thu, Nov 27, 2014 at 12:25 AM, Barry N1EU <barry.n1eu@...> wrote:

> For all the Orion 2 owners out there, please have a listen to this
> recording: http://n1eu.com/566rx.mp3
>
> It's an edited recording of NQ2T, WF2S, N2GM each calling LX9DX with s9+
> signals with my 566 connected to a dipole. In each snippet you can hear a
> distorted signal with RF Gain ~ 40 and then the RF Gain cut back to ~ 20
> and the distortion is gone. I tried different AGC settings and it made no
> difference.
>
> I have heard this behavior many times on the 566 (Orion 2). I have NEVER
> heard it on my 565 (Orion 1). Under the same circumstance, the 565 won't
> distort with RF Gain at 100.
>
> I'd appreciate comments on whether other 566 owners have ran into this.
> Also any general comments or theories are welcome.
>
> 73, Barry N1EU
>

10317. Re: [orion565] Re: Issue with Orion II rx gain distribution?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-27 18:21:03 UTC
From: Barry N1EU
Topic: 10313 Message: 10317

No Billy, I'm not inclined to go down that road. I've always found the
Orion II slightly prone toward occasional rx distortion which was never the
case with the Orion 565.

And NB is definitely off.

73 & Happy Turkey Day to all,
Barry N1EU

On Thu, Nov 27, 2014 at 6:07 PM, Billy Cox aa4nu@comcast.net [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Interesting observations Barry,
>
> Did you try an earlier firmware version,
> just to see if there is any change?
>
> 73 es Happy Thanksgiving to ALL,
>
> Billy, AA4NU
>
> ----- Original Message -----
> From: "Barry N1EU barry.n1eu@... [orion565]" <
> orion565@yahoogroups.com>
>
> Just wanted to post a follow-up with what I've gleaned so far.
>
> The distortion is ADC overload in the 566 and the distortion goes away when
> the PRE is switched off. Normally the analog AGC (PIN diode attenuator)
> protects the ADC from overload, but the PRE must be after the analog AGC
> level detector and is working against it. I can only speculate why the
> Orion I 565 is immune from the overload. I had the 565 and 566
> side-by-side this morning tuning in strong 80M signals and confirmed their
> different behavior.
>
> 73, Barry N1EU
>
> On Thu, Nov 27, 2014 at 12:25 AM, Barry N1EU <barry.n1eu@...> wrote:
>
> > For all the Orion 2 owners out there, please have a listen to this
> > recording: http://n1eu.com/566rx.mp3
> >
> > It's an edited recording of NQ2T, WF2S, N2GM each calling LX9DX with s9+
> > signals with my 566 connected to a dipole. In each snippet you can hear a

> > distorted signal with RF Gain ~ 40 and then the RF Gain cut back to ~ 20
> > and the distortion is gone. I tried different AGC settings and it made no
> > difference.
> >
> > I have heard this behavior many times on the 566 (Orion 2). I have NEVER
> > heard it on my 565 (Orion 1). Under the same circumstance, the 565 won't
> > distort with RF Gain at 100.
> >
> > I'd appreciate comments on whether other 566 owners have ran into this.
> > Also any general comments or theories are welcome.
> >
> > 73, Barry N1EU
> >
>
>

10318. Re: [orion565] Re: Issue with Orion II rx gain distribution?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-27 18:27:39 UTC
From: Billy Cox
Topic: 10313 Message: 10318

Understood Barry, was thinking (hoping) that perhaps
something else changed within the firmware to fix one
thing, that also caused this side effect.

Do see hear the same on the RX366?

73 de Billy, AA4NU

----- Original Message -----
From: "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com>
To: "Orion565" <orion565@yahoogroups.com>
Sent: Thursday, November 27, 2014 6:21:03 PM
Subject: Re: [orion565] Re: Issue with Orion II rx gain distribution?

No Billy, I'm not inclined to go down that road. I've always found the
Orion II slightly prone toward occasional rx distortion which was never the
case with the Orion 565.

And NB is definitely off.

73 & Happy Turkey Day to all,
Barry N1EU

On Thu, Nov 27, 2014 at 6:07 PM, Billy Cox aa4nu@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Interesting observations Barry,
>
> Did you try an earlier firmware version,
> just to see if there is any change?
>
> 73 es Happy Thanksgiving to ALL,
>
> Billy, AA4NU
>
> ----- Original Message -----
> From: "Barry N1EU barry.n1eu@... [orion565]" <
> orion565@yahoogroups.com>
>
> Just wanted to post a follow-up with what I've gleaned so far.
>
> The distortion is ADC overload in the 566 and the distortion goes away when
> the PRE is switched off. Normally the analog AGC (PIN diode attenuator)
> protects the ADC from overload, but the PRE must be after the analog AGC
> level detector and is working against it. I can only speculate why the

> Orion I 565 is immune from the overload. I had the 565 and 566
> side-by-side this morning tuning in strong 80M signals and confirmed their
> different behavior.
>
> 73, Barry N1EU
>
> On Thu, Nov 27, 2014 at 12:25 AM, Barry N1EU <barry.n1eu@...> wrote:
>
> > For all the Orion 2 owners out there, please have a listen to this
> > recording: http://n1eu.com/566rx.mp3
> >
> > It's an edited recording of NQ2T, WF2S, N2GM each calling LX9DX with s9+
> > signals with my 566 connected to a dipole. In each snippet you can hear a
> > distorted signal with RF Gain ~ 40 and then the RF Gain cut back to ~ 20
> > and the distortion is gone. I tried different AGC settings and it made no
> > difference.
> >
> > I have heard this behavior many times on the 566 (Orion 2). I have NEVER
> > heard it on my 565 (Orion 1). Under the same circumstance, the 565 won't
> > distort with RF Gain at 100.
> >
> > I'd appreciate comments on whether other 566 owners have ran into this.
> > Also any general comments or theories are welcome.
> >
> > 73, Barry N1EU
> >
>
>

10319. Re: [orion565] Re: Issue with Orion II rx gain distribution?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-27 19:03:58 UTC
From: Barry N1EU
Topic: 10313 Message: 10319

No, the RX366 doesn't show the problem. I did a direct comparison.

73, Barry N1EU

On Thu, Nov 27, 2014 at 6:27 PM, Billy Cox aa4nu@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Understood Barry, was thinking (hoping) that perhaps
> something else changed within the firmware to fix one
> thing, that also caused this side effect.
>
> Do see hear the same on the RX366?
>
> 73 de Billy, AA4NU
>
> ----- Original Message -----
> From: "Barry N1EU barry.n1eu@... [orion565]" <
> orion565@yahoogroups.com>
> To: "Orion565" <orion565@yahoogroups.com>
> Sent: Thursday, November 27, 2014 6:21:03 PM
> Subject: Re: [orion565] Re: Issue with Orion II rx gain distribution?
>
> No Billy, I'm not inclined to go down that road. I've always found the
> Orion II slightly prone toward occasional rx distortion which was never the
> case with the Orion 565.
>
> And NB is definitely off.
>
> 73 & Happy Turkey Day to all,
> Barry N1EU
>
> On Thu, Nov 27, 2014 at 6:07 PM, Billy Cox aa4nu@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
> > >
> > >
> > > Interesting observations Barry,
> > >
> > > Did you try an earlier firmware version,
> > > just to see if there is any change?
> > >
> > > 73 es Happy Thanksgiving to ALL,
> > >
> > > Billy, AA4NU

> >
> > ----- Original Message -----
> > From: "Barry N1EU barry.n1eu@... [orion565]" <
> > orion565@yahoogroups.com>
> >
> > Just wanted to post a follow-up with what I've gleaned so far.
> >
> > The distortion is ADC overload in the 566 and the distortion goes away
> when
> > the PRE is switched off. Normally the analog AGC (PIN diode attenuator)
> > protects the ADC from overload, but the PRE must be after the analog AGC
> > level detector and is working against it. I can only speculate why the
> > Orion I 565 is immune from the overload. I had the 565 and 566
> > side-by-side this morning tuning in strong 80M signals and confirmed
> their
> > different behavior.
> >
> > 73, Barry N1EU
> >
> > On Thu, Nov 27, 2014 at 12:25 AM, Barry N1EU <barry.n1eu@...>
> wrote:
> >
> > > For all the Orion 2 owners out there, please have a listen to this
> > > recording: http://n1eu.com/566rx.mp3
> > >
> > > It's an edited recording of NQ2T, WF2S, N2GM each calling LX9DX with
> s9+
> > > signals with my 566 connected to a dipole. In each snippet you can
> hear a
> > > distorted signal with RF Gain ~ 40 and then the RF Gain cut back to ~
> 20
> > > and the distortion is gone. I tried different AGC settings and it made
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> NEVER
> > > heard it on my 565 (Orion 1). Under the same circumstance, the 565
> won't
> > > distort with RF Gain at 100.
> > >
> > > I'd appreciate comments on whether other 566 owners have ran into this.
> > > Also any general comments or theories are welcome.
> > >
> > > 73, Barry N1EU
> > >
> >
> >
> >
>
>

>

10320. Orion II and MMTTY running FSK

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-28 22:52:36 UTC
From: johnnykludt@...
Topic: 10320 Message: 10320

Folks,

I'd like to run MMTTY FSK with my Orion II - if anyone has done this (I am sure you have) a newbie would like some help. I can run MMTTY AFSK with a SignaLink but I would really like to try FSK.

John K4SQC

10321. Re: [orion565] Re: Issue with Orion II rx gain distribution?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-29 21:32:41 UTC
From: Tarniowy
Topic: 10313 Message: 10321

Barry,
Did you try to switch to "normal NB off" not "off:H "?

Arek AC2FC

Sent from my iPhone

On Nov 27, 2014, at 2:03 PM, "Barry N1EU barry.n1eu@gmail.com [orion565]"
<orion565@yahoogroups.com> wrote:

> No, the RX366 doesn't show the problem. I did a direct comparison.
>
> 73, Barry N1EU
>
> On Thu, Nov 27, 2014 at 6:27 PM, Billy Cox aa4nu@... [orion565]
<orion565@yahoogroups.com> wrote:
>>
>> Understood Barry, was thinking (hoping) that perhaps
>> something else changed within the firmware to fix one
>> thing, that also caused this side effect.
>>
>> Do see hear the same on the RX366?
>>
>> 73 de Billy, AA4NU
>>
>> ----- Original Message -----
>> From: "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com>
>>
>> To: "Orion565" <orion565@yahoogroups.com>
>> Sent: Thursday, November 27, 2014 6:21:03 PM
>> Subject: Re: [orion565] Re: Issue with Orion II rx gain distribution?
>>
>> No Billy, I'm not inclined to go down that road. I've always found the
>> Orion II slightly prone toward occasional rx distortion which was never the
>> case with the Orion 565.
>>
>> And NB is definitely off.
>>
>> 73 & Happy Turkey Day to all,
>> Barry N1EU
>>
>> On Thu, Nov 27, 2014 at 6:07 PM, Billy Cox aa4nu@... [orion565] <
>> orion565@yahoogroups.com> wrote:
>>
>> >
>> >

>> > Interesting observations Barry,
>> >
>> > Did you try an earlier firmware version,
>> > just to see if there is any change?
>> >
>> > 73 es Happy Thanksgiving to ALL,
>> >
>> > Billy, AA4NU
>> >
>> > ----- Original Message -----
>> > From: "Barry N1EU barry.n1eu@... [orion565]" <
>> > orion565@yahoogroups.com>
>> >
>> > Just wanted to post a follow-up with what I've gleaned so far.
>> >
>> > The distortion is ADC overload in the 566 and the distortion goes away when
>> > the PRE is switched off. Normally the analog AGC (PIN diode attenuator)
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>> > level detector and is working against it. I can only speculate why the
>> > Orion I 565 is immune from the overload. I had the 565 and 566
>> > side-by-side this morning tuning in strong 80M signals and confirmed their
>> > different behavior.
>> >
>> > 73, Barry N1EU
>> >
>> > On Thu, Nov 27, 2014 at 12:25 AM, Barry N1EU <barry.n1eu@...> wrote:
>> >
>> > > For all the Orion 2 owners out there, please have a listen to this
>> > > recording: http://n1eu.com/566rx.mp3
>> > >
>> > > It's an edited recording of NQ2T, WF2S, N2GM each calling LX9DX with s9+
>> > > signals with my 566 connected to a dipole. In each snippet you can hear a
>> > > distorted signal with RF Gain ~ 40 and then the RF Gain cut back to ~ 20
>> > > and the distortion is gone. I tried different AGC settings and it made no
>> > > difference.
>> > >
>> > > I have heard this behavior many times on the 566 (Orion 2). I have NEVER
>> > > heard it on my 565 (Orion 1). Under the same circumstance, the 565 won't
>> > > distort with RF Gain at 100.
>> > >
>> > > I'd appreciate comments on whether other 566 owners have ran into this.
>> > > Also any general comments or theories are welcome.
>> > >
>> > > 73, Barry N1EU
>> > >
>> >
>> >
>
>

10322. Re: [orion565] Re: Issue with Orion II rx gain distribution?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-29 23:20:46 UTC
From: Barry N1EU
Topic: 10313 Message: 10322

I always leave both NB's off

73, Barry N1EU

On Sat, Nov 29, 2014 at 9:32 PM, Tarniowy tarniowy@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Barry,
> Did you try to switch to "normal NB off" not "off:H "?
>
> Arek AC2FC
>
> Sent from my iPhone
>
> On Nov 27, 2014, at 2:03 PM, "Barry N1EU barry.n1eu@... [orion565]"
> <orion565@yahoogroups.com> wrote:
>
>
>
> No, the RX366 doesn't show the problem. I did a direct comparison.
>
> 73, Barry N1EU
>
> On Thu, Nov 27, 2014 at 6:27 PM, Billy Cox aa4nu@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> Understood Barry, was thinking (hoping) that perhaps
>> something else changed within the firmware to fix one
>> thing, that also caused this side effect.
>>
>> Do see hear the same on the RX366?
>>
>> 73 de Billy, AA4NU
>>
>> ----- Original Message -----
>> From: "Barry N1EU barry.n1eu@... [orion565]" <
>> orion565@yahoogroups.com>
>> To: "Orion565" <orion565@yahoogroups.com>
>> Sent: Thursday, November 27, 2014 6:21:03 PM
>> Subject: Re: [orion565] Re: Issue with Orion II rx gain distribution?
>>
>> No Billy, I'm not inclined to go down that road. I've always found the

>> Orion II slightly prone toward occasional rx distortion which was never
>> the
>> case with the Orion 565.
>>
>> And NB is definitely off.
>>
>> 73 & Happy Turkey Day to all,
>> Barry N1EU
>>
>> On Thu, Nov 27, 2014 at 6:07 PM, Billy Cox aa4nu@... [orion565] <
>> orion565@yahoogroups.com> wrote:
>>
>> >
>> >
>> > Interesting observations Barry,
>> >
>> > Did you try an earlier firmware version,
>> > just to see if there is any change?
>> >
>> > 73 es Happy Thanksgiving to ALL,
>> >
>> > Billy, AA4NU
>> >
>> > ----- Original Message -----
>> > From: "Barry N1EU barry.n1eu@... [orion565]" <
>> > orion565@yahoogroups.com>
>> >
>> > Just wanted to post a follow-up with what I've gleaned so far.
>> >
>> > The distortion is ADC overload in the 566 and the distortion goes away
>> when
>> > the PRE is switched off. Normally the analog AGC (PIN diode attenuator)
>> > protects the ADC from overload, but the PRE must be after the analog AGC
>> > level detector and is working against it. I can only speculate why the
>> > Orion I 565 is immune from the overload. I had the 565 and 566
>> > side-by-side this morning tuning in strong 80M signals and confirmed
>> their
>> > different behavior.
>> >
>> > 73, Barry N1EU
>> >
>> > On Thu, Nov 27, 2014 at 12:25 AM, Barry N1EU <barry.n1eu@...>
>> wrote:
>> >
>> > > For all the Orion 2 owners out there, please have a listen to this
>> > > recording: http://n1eu.com/566rx.mp3
>> > >
>> > > It's an edited recording of NQ2T, WF2S, N2GM each calling LX9DX with
>> s9+
>> > > signals with my 566 connected to a dipole. In each snippet you can

>> hear a
>> > > distorted signal with RF Gain ~ 40 and then the RF Gain cut back to ~
>> 20
>> > > and the distortion is gone. I tried different AGC settings and it
>> made no
>> > > difference.
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>> > > I have heard this behavior many times on the 566 (Orion 2). I have
>> NEVER
>> > > heard it on my 565 (Orion 1). Under the same circumstance, the 565
>> won't
>> > > distort with RF Gain at 100.
>> > >
>> > > I'd appreciate comments on whether other 566 owners have ran into
>> this.
>> > > Also any general comments or theories are welcome.
>> > >
>> > > 73, Barry N1EU
>> > >
>> >
>> >
>>
>>
>
>

10323. Re: [orion565] Re: Issue with Orion II rx gain distribution?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-30 03:38:36 UTC
From: Tarniowy
Topic: 10313 Message: 10323

Barry,
I had similar problem when display show " NB - off:H " . Then I turned it to " NB - off " (by pressing and holding NB button) and everything was fine.

Arek AC2FC

Sent from my iPhone

On Nov 29, 2014, at 6:20 PM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:

> I always leave both NB's off
>
> 73, Barry N1EU
>
> On Sat, Nov 29, 2014 at 9:32 PM, Tarniowy tarniowy@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>> Barry,
>> Did you try to switch to "normal NB off" not "off:H "?
>>
>> Arek AC2FC
>>
>> Sent from my iPhone
>>
>> On Nov 27, 2014, at 2:03 PM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:
>>
>>>
>>> No, the RX366 doesn't show the problem. I did a direct comparison.
>>>
>>> 73, Barry N1EU
>>>
>>> On Thu, Nov 27, 2014 at 6:27 PM, Billy Cox aa4nu@... [orion565] <orion565@yahoogroups.com> wrote:
>>>>
>>>> Understood Barry, was thinking (hoping) that perhaps
>>>> something else changed within the firmware to fix one
>>>> thing, that also caused this side effect.
>>>>
>>>> Do see hear the same on the RX366?
>>>>
>>>> 73 de Billy, AA4NU
>>>>
>>>> ----- Original Message -----
>>>> From: "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com>

>>>>
>>>> To: "Orion565" <orion565@yahoogroups.com>
>>>> Sent: Thursday, November 27, 2014 6:21:03 PM
>>>> Subject: Re: [orion565] Re: Issue with Orion II rx gain distribution?
>>>>
>>>> No Billy, I'm not inclined to go down that road. I've always found the
>>>> Orion II slightly prone toward occasional rx distortion which was never the
>>>> case with the Orion 565.
>>>>
>>>> And NB is definitely off.
>>>>
>>>> 73 & Happy Turkey Day to all,
>>>> Barry N1EU
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>>>> On Thu, Nov 27, 2014 at 6:07 PM, Billy Cox aa4nu@... [orion565] <
>>>> orion565@yahoogroups.com> wrote:
>>>>
>>>> >
>>>> >
>>>> > Interesting observations Barry,
>>>> >
>>>> > Did you try an earlier firmware version,
>>>> > just to see if there is any change?
>>>> >
>>>> > 73 es Happy Thanksgiving to ALL,
>>>> >
>>>> > Billy, AA4NU
>>>> >
>>>> > ----- Original Message -----
>>>> > From: "Barry N1EU barry.n1eu@... [orion565]" <
>>>> > orion565@yahoogroups.com>
>>>> >
>>>> > Just wanted to post a follow-up with what I've gleaned so far.
>>>> >
>>>> > The distortion is ADC overload in the 566 and the distortion goes away when
>>>> > the PRE is switched off. Normally the analog AGC (PIN diode attenuator)
>>>> > protects the ADC from overload, but the PRE must be after the analog AGC
>>>> > level detector and is working against it. I can only speculate why the
>>>> > Orion I 565 is immune from the overload. I had the 565 and 566
>>>> > side-by-side this morning tuning in strong 80M signals and confirmed their
>>>> > different behavior.
>>>> >
>>>> > 73, Barry N1EU
>>>> >
>>>> > On Thu, Nov 27, 2014 at 12:25 AM, Barry N1EU <barry.n1eu@...> wrote:
>>>> >
>>>> > > For all the Orion 2 owners out there, please have a listen to this
>>>> > > recording: http://n1eu.com/566rx.mp3
>>>> > >
>>>> > > It's an edited recording of NQ2T, WF2S, N2GM each calling LX9DX with s9+

>>>> > > signals with my 566 connected to a dipole. In each snippet you can hear a
>>>> > > distorted signal with RF Gain ~ 40 and then the RF Gain cut back to ~ 20
>>>> > > and the distortion is gone. I tried different AGC settings and it made no
>>>> > > difference.
>>>> > >
>>>> > > I have heard this behavior many times on the 566 (Orion 2). I have NEVER
>>>> > > heard it on my 565 (Orion 1). Under the same circumstance, the 565 won't
>>>> > > distort with RF Gain at 100.
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>>>> > > I'd appreciate comments on whether other 566 owners have ran into this.
>>>> > > Also any general comments or theories are welcome.
>>>> > >
>>>> > > 73, Barry N1EU
>>>> > >
>>>> >
>>>> >
>
>

10324. Re: [orion565] Re: Issue with Orion II rx gain distribution?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-30 08:31:33 UTC
From: Barry N1EU
Topic: 10313 Message: 10324

Yes, " NB - off:H " ,eams that your hardware blanker is ON and dsp blanker is OFF

73, Barry N1EU

On Sun, Nov 30, 2014 at 3:38 AM, Tarniowy tarniowy@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Barry,
> I had similar problem when display show " NB - off:H " . Then I turned it
> to " NB - off " (by pressing and holding NB button) and everything was
> fine.
>
> Arek AC2FC
>
>
> Sent from my iPhone
>
> On Nov 29, 2014, at 6:20 PM, "Barry N1EU barry.n1eu@... [orion565]"
> <orion565@...m> wrote:
>
>
>
> I always leave both NB's off
>
> 73, Barry N1EU
>
> On Sat, Nov 29, 2014 at 9:32 PM, Tarniowy tarniowy@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
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>> Barry,
>> Did you try to switch to "normal NB off" not "off:H "?
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>> Arek AC2FC
>>
>> Sent from my iPhone
>>
>> On Nov 27, 2014, at 2:03 PM, "Barry N1EU barry.n1eu@...
>> [orion565]" <orion565@yahoogroups.com> wrote:
>>
>>
>>

>> No, the RX366 doesn't show the problem. I did a direct comparison.
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>> 73, Barry N1EU
>>
>> On Thu, Nov 27, 2014 at 6:27 PM, Billy Cox aa4nu@... [orion565] <
>> orion565@yahoogroups.com> wrote:
>>
>>>
>>>
>>> Understood Barry, was thinking (hoping) that perhaps
>>> something else changed within the firmware to fix one
>>> thing, that also caused this side effect.
>>>
>>> Do see hear the same on the RX366?
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>>> 73 de Billy, AA4NU
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>>> ----- Original Message -----
>>> From: "Barry N1EU barry.n1eu@... [orion565]" <
>>> orion565@yahoogroups.com>
>>> To: "Orion565" <orion565@yahoogroups.com>
>>> Sent: Thursday, November 27, 2014 6:21:03 PM
>>> Subject: Re: [orion565] Re: Issue with Orion II rx gain distribution?
>>>
>>> No Billy, I'm not inclined to go down that road. I've always found the
>>> Orion II slightly prone toward occasional rx distortion which was never
>>> the
>>> case with the Orion 565.
>>>
>>> And NB is definitely off.
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>>> 73 & Happy Turkey Day to all,
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>>> On Thu, Nov 27, 2014 at 6:07 PM, Billy Cox aa4nu@... [orion565]
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>>> orion565@yahoogroups.com> wrote:
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>>> > Interesting observations Barry,
>>> >
>>> > Did you try an earlier firmware version,
>>> > just to see if there is any change?
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>>> >
>>> > Billy, AA4NU
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>>> > ----- Original Message -----

>>> > From: "Barry N1EU barry.n1eu@... [orion565]" <
>>> > orion565@yahoogroups.com>
>>> >
>>> > Just wanted to post a follow-up with what I've gleaned so far.
>>> >
>>> > The distortion is ADC overload in the 566 and the distortion goes away
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>>> > the PRE is switched off. Normally the analog AGC (PIN diode attenuator)
>>> > protects the ADC from overload, but the PRE must be after the analog
>>> AGC
>>> > level detector and is working against it. I can only speculate why the
>>> > Orion I 565 is immune from the overload. I had the 565 and 566
>>> > side-by-side this morning tuning in strong 80M signals and confirmed
>>> their
>>> > different behavior.
>>> >
>>> > 73, Barry N1EU
>>> >
>>> > On Thu, Nov 27, 2014 at 12:25 AM, Barry N1EU <barry.n1eu@...>
>>> wrote:
>>> >
>>> > > For all the Orion 2 owners out there, please have a listen to this
>>> > > recording: http://n1eu.com/566rx.mp3
>>> > >
>>> > > It's an edited recording of NQ2T, WF2S, N2GM each calling LX9DX with
>>> s9+
>>> > > signals with my 566 connected to a dipole. In each snippet you can
>>> hear a
>>> > > distorted signal with RF Gain ~ 40 and then the RF Gain cut back to
>>> ~ 20
>>> > > and the distortion is gone. I tried different AGC settings and it
>>> made no
>>> > > difference.
>>> > >
>>> > > I have heard this behavior many times on the 566 (Orion 2). I have
>>> NEVER
>>> > > heard it on my 565 (Orion 1). Under the same circumstance, the 565
>>> won't
>>> > > distort with RF Gain at 100.
>>> > >
>>> > > I'd appreciate comments on whether other 566 owners have ran into
>>> this.
>>> > > Also any general comments or theories are welcome.
>>> > >
>>> > > 73, Barry N1EU
>>> > >
>>> >
>>> >
>>>
>>>

>>
>
>

10325. Sweep-function

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-30 14:04:46 UTC
From: sm6cgi@...
Topic: 10325 Message: 10325

After upgrading to the latest firmware the sweep-function on my Orion I is not working. The Sweep graphic is on the display but it seems "dead". I have tried to reinstall the firmware but with the same result.
Any ideas what to do!?

SM6CGI
Lars

10326. Sweep

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-30 14:23:51 UTC
From: Paul K.
Topic: 10326 Message: 10326

Lars,
Some questions;

Was it working properly on the former firmware?
What firmware did you replace, and what did you load?
Did you do a full Master Reset including turn the power off for a few seconds?

I'm no wiz kid on this stuff, but I'll try to reproduce the problem on my Orion I.

Have a good day.

TNX ... es ... 73 ... de ... WA0BAG
--
Paul K. WA0BAG

10327. RE: [orion565] Sweep-function

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-30 15:39:17 UTC
From: John T. Fleming
Topic: 10325 Message: 10327

Lars,

Are you sure you got the latest file version? Howard had a problem with an upload and had to reload it again. When I installed the “bad” file, the number of lines was definitely less than the original I replaced. I had to reload the previous version to get the rig to run properly. If I remember, the line count is only a couple of line different from the previous version.

I would reload the previous version and see if the sweep works properly and note the lines loaded. Then reload the 7xa version and look at the line count. The “bad” version I had was 20 or 30 lines smaller.

Good luck and 73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, November 30, 2014 9:05 AM
To: orion565@yahoogroups.com
Subject: [orion565] Sweep-function

After upgrading to the latest firmware the sweep-function on my Orion I is not working. The Sweep graphic is on the display but it seems "dead". I have tried to reinstall the firmware but with the same result.
Any ideas what to do!?

SM6CGI
Lars

10328. RE: [orion565] Sweep-function

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-30 17:36:42 UTC
From: saukp@...
Topic: 10325 Message: 10328

regarding sweep function using latest Orion I s/w

as best as i can remember
there is a hardware mod that is necessary for the sweep function to work with the latest f/w V2.xx

prior version V 1.xx did not have this requirement

so the question is , does your Orion I have the hardware sweep modification?

if not then that is the problem.

see
http://www.tentecwiki.org/lib/exe/fetch.php?media=orion_v2_logic_mod.pdf
http://www.tentecwiki.org/lib/exe/fetch.php?media=orion_v2_logic_mod.pdf

Paul K3SF

10329. Re: [orion565] Sweep-function

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-30 23:26:16 UTC
From: Wayne Staples
Topic: 10325 Message: 10329

Hi Lars
I'm with Paul if you have Orion 1 with version 1 firmware if you upgrade to ver 2 or 3 firmware the sweep function will not work, if you do the hard ware mod sweep fuction will return you can check if your orion has the mod by pushing and holding the menu button it will display firmware version and at the very bottom if your radio has the version 2 mod confirmed or not, Paul put up a link on the version 2 mod on his reply, by the way everything on your Orion 1 will work well with the later firmware releases except the sweep function. hope this helps.

Regards Wayne VK4EU

On 01/12/14 00:04, sm6cgi@... [orion565] wrote:
>
>
> After upgrading to the latest firmware the sweep-function on my Orion
> I is not working. The Sweep graphic is on the display but it seems
> "dead". I have tried to reinstall the firmware but with the same result.
> Any ideas what to do!?
>
> SM6CGI
> Lars
>
>
>
>
>

10330. Re: [orion565] Sweep-function

Yahoo group: orion565 (2014 — 2017)
Date: 2014-11-30 23:29:13 UTC
From: Wayne Staples
Topic: 10325 Message: 10330

Lars it was Paul K3SF that has the link

cheers Wayne VK4EU
On 01/12/14 00:04, sm6cgi@... [orion565] wrote:
>
>
> After upgrading to the latest firmware the sweep-function on my Orion
> I is not working. The Sweep graphic is on the display but it seems
> "dead". I have tried to reinstall the firmware but with the same result.
> Any ideas what to do!?
>
> SM6CGI
> Lars
>
>
>
>
>

10331. RE: [orion565] Sweep-function

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-01 00:26:13 UTC
From: John T. Fleming
Topic: 10325 Message: 10331

Lars,

Here is the documentation of the changes to go from V1 to V2 and later. I am sending it direct as well as attached to the list email. Yahoo may not be setup to pass the attachment.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, November 30, 2014 6:29 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Sweep-function

Lars it was Paul K3SF that has the link

cheers Wayne VK4EU

On 01/12/14 00:04, sm6cgi@... [orion565] wrote:

After upgrading to the latest firmware the sweep-function on my Orion I is not working. The Sweep graphic is on the display but it seems "dead". I have tried to reinstall the firmware but with the same result.
Any ideas what to do!?

SM6CGI
Lars

[Non-text portions of this message have been removed]

10332. Re: Port sharing software for Orion/LP-Pan?

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-02 12:38:59 UTC
From: barry.n1eu@...
Topic: 10222 Message: 10332

I wanted to post a follow-up after working out a successful configuration in case anybody else wants to run a panadapter off their Orion.

I ended up obtaining a MicroHAM usb micro keyer and installing the MicroHam USB Device Router software. This software is the key - it provides CAT port sharing that worked well with N1MM Logger+ and NaP3 panadapter running simultaneously. I used this during CQ WW CW and it worked beautifully. I could equally click on the N1MM bandmap or on the NaP3 panadapter and the Orion went to that frequency.

With the Clifton Labs buffer amp installed (a la the VE7TK's install document), LP-PAN configured for 9MHz i.f. and the MicroHAM/NaP3 software, you end up with an amazingly good panadapter.

73, Barry N1EU

---In orion565@yahoogroups.com, <barry.n1eu@...> wrote :

I've configured my Orion II with the 9MHz i.f. output mod connected to LP-Pan. Other than N4PY Software, can anyone recommend a good port sharing solution so that I can run both NaP3 panadapter software and N1MM Logger at the same time? Info on the LP Web site seems to indicate that LP-Bridge doesn't support the Orion and I haven't had much success with VSPE.

Thanks & 73,
Barry N1EU

10333. Re: Sweep

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-03 20:35:00 UTC
From: Lars-Ake Jansson
Topic: 10326 Message: 10333

Hi again,
the version I downloaded and installed is 3.032x5. I did a Master reset after installation.
The Sweep-function was OK with the former version.

73/SM6CGI
Lars

10334. Re: Sweep

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-04 12:07:29 UTC
From: pa1ap
Topic: 10326 Message: 10334

what was the former version? when did you upgrade the last version?

10335. rockin' LP-PAN

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-06 11:08:29 UTC
From: Barry N1EU
Topic: 10335 Message: 10335

Having fun in the ARRL 160M contest with my Orion II/LP-PAN combo. Thought I'd post an image of what this combo provides with NaP3:

http://n1eu.com/images/OrionPan.jpg

(the spot labeling was added right before the end of firther NaP3 software development and it's pretty cool)

73, Barry N1EU

10336. Re: Lp pan

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-06 17:43:01 UTC
From: Barry N1EU
Topic: 10336 Message: 10336

The mod instructions are at http://www.ve7tk.com/9MHz_IF.pdf and the buffer amp is available from http://www.cliftonlaboratories.com/z10000_buffer_amp.htm - If you're experienced working on electronic gear, it's not a difficult mod.

LP-PAN is available from http://www.telepostinc.com/

NaP3 software is available free from http://www.hb9joi.ch/

73, Barry N1EU

On Sat, Dec 6, 2014 at 5:33 PM, dmatu2112 <dmatu2112@...> wrote:

>
> Where did you get this piece of gear. ..and how hard is it to hook up to
> the orion 1? Thanks for the post looks great
>
> Sent via the Samsung Galaxy S™III, an AT&T 4G LTE smartphone
>

10337. RE: [orion565] Re: Lp pan

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-06 18:04:14 UTC
From: kb9pns
Topic: 10336 Message: 10337

Yes this looks maybe more than a touch over my ability. Thanks for the information though. I do appreciate it. It does look great.... Sent via the Samsung Galaxy S™ III, an AT&T 4G LTE smartphone
-------- Original message --------
From: "Barry N1EU barry.n1eu@gmail.com [orion565]"
Date:12/06/2014 11:43 (GMT-06:00)
To: dmatu2112 , Orion565
Subject: [orion565] Re: Lp pan

The mod instructions are at http://www.ve7tk.com/9MHz_IF.pdf and the buffer amp is available from http://www.cliftonlaboratories.com/z10000_buffer_amp.htm - If you're experienced working on electronic gear, it's not a difficult mod. LP-PAN is available from http://www.telepostinc.com/ NaP3 software is available free from http://www.hb9joi.ch/ 73, Barry N1EU On Sat, Dec 6, 2014 at 5:33 PM, dmatu2112 wrote: Where did you get this piece of gear. ..and how hard is it to hook up to the orion 1? Thanks for the post looks great Sent via the Samsung Galaxy S™III, an AT&T 4G LTE smartphone

10338. Re: [orion565] Re: Lp pan

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-06 23:17:33 UTC
From: Tarniowy
Topic: 10336 Message: 10338

Barry,
I have problem with NaP3 and my orion II.
Can you give me more information about yours settings , for example :
1) what is your operating system? windows 7 ? 8 ? 32 bits or 64?
2) How you getting connection with your rig? Ham radio deluxe or what?
3)ASIO driver or MMA?

Thanks
Arek AC2FC

On Dec 6, 2014, at 1:04 PM, "kb9pns kb9pns@... [orion565]" <orion565@yahoogroups.com> wrote:

> Yes this looks maybe more than a touch over my ability. Thanks for the information though. I do appreciate it.
> It does look great....
>
>
> Sent via the Samsung Galaxy S™ III, an AT&T 4G LTE smartphone
>
>
> -------- Original message --------
> From: "Barry N1EU barry.n1eu@... [orion565]"
> Date:12/06/2014 11:43 (GMT-06:00)
> To: dmatu2112 , Orion565
> Subject: [orion565] Re: Lp pan
>
>
> The mod instructions are at http://www.ve7tk.com/9MHz_IF.pdf and the buffer amp is available from http://www.cliftonlaboratories.com/z10000_buffer_amp.htm - If you're experienced working on electronic gear, it's not a difficult mod.
>
> LP-PAN is available from http://www.telepostinc.com/
>
> NaP3 software is available free from http://www.hb9joi.ch/
>
> 73, Barry N1EU
>
>
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> On Sat, Dec 6, 2014 at 5:33 PM, dmatu2112 <dmatu2112@...> wrote:
>>
>> Where did you get this piece of gear. ..and how hard is it to hook up to the orion 1? Thanks for the post looks great
>>
>> Sent via the Samsung Galaxy S™III, an AT&T 4G LTE smartphone

>
>

10339. Need pcb from Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-07 13:38:40 UTC
From: Barry N1EU
Topic: 10339 Message: 10339

If anybody has parted out a 566 Orion II and has the IF Converter board (pcb under the speaker), please drop me an email.

Thanks & 73,
Barry N1EU

10340. Re: Need pcb from Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-07 15:56:52 UTC
From: mhoff1@...
Topic: 10339 Message: 10340

Hello, also looking for a parted out 565/566. If someone has a spare A9 power dist. board p/n 81936 - please email me. W9IFR@ARRL.NET
Tnx and 73 Mike

10341. Re: [orion565] Re: Need pcb from Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-07 16:03:02 UTC
From: Tony
Topic: 10339 Message: 10341

Mike,

Is your call's suffix "IFR" a coincidence or do you have a connection with "IFR" Service Monitors. Just being curious.?

73, Tony VE3DWI.

Sent from my BlackBerry 10 smartphone on the Bell network.

From: mhoff1@... [orion565]
Sent: Sunday, December 7, 2014 10:56
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Subject: [orion565] Re: Need pcb from Orion II

?

Hello, also looking for a parted out 565/566. If someone has a spare A9 power dist. board p/n 81936 - please email me. W9IFR@...
Tnx and 73 Mike

10342. Re: [orion565] Re: Need pcb from Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-07 16:10:48 UTC
From: mhoff1@...
Topic: 10339 Message: 10342

Tony, no I have nothing to do with the IFR service units.
I'm a pilot - Instrument flight rules (IFR)
73 Mike

10343. Re: [orion565] Re: Need pcb from Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-07 16:27:51 UTC
From: Tony
Topic: 10339 Message: 10343

Thanks Mike.

Not long ago I came across a call "DL2VFR" which was maybe picked for similar reasons hi... hi.

Seasons greetings to you and yours.
73, Tony VE3DWI.

Sent from my BlackBerry 10 smartphone on the Bell network.

From: mhoff1@... [orion565]
Sent: Sunday, December 7, 2014 11:10
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Need pcb from Orion II

?

Tony, no I have nothing to do with the IFR service units.
I'm a pilot - Instrument flight rules (IFR)
73 Mike

10344. Complete info on adding LP-PAN

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-07 18:41:54 UTC
From: Barry N1EU
Topic: 10344 Message: 10344

Dennis, you should read the mod instructions that VE7TK compiled at http://www3.telus.net/ve7tk/9MHz_IF.pdf

1. Z10000B buffer amp info is at http://www.cliftonlaboratories.com/z10000_buffer_amp.htm - this is what you need (omit assembly if you want to build it yourself):

- *Base kit*—printed circuit board, all electronic parts to build the broadband (universal) version of the PCB, including a complete set of gain-setting resistors. Price is $24.95.
- *TenTec Orion Installation Parts*—I've developed an accessory installation parts set for anyone installing a Z10000 inside a TenTec Orion, following VE7TK's documentation, http://www3.telus.net/ve7tk/9MHz_IF.pdf. The installation part set consists of 2 feet (0.6m) of RG-178 miniature Teflon coaxial cable, and a 4-40x½" threaded M-F standoff, with lockwashers, a 4-40 small pattern stainless steel hex nut and a 4-40 stainless steel machine screw. The Orion Installation Parts set is $3.00 if purchased at the same time as the Z10000.
- *Assembly of Z10000*. For an assembled and tested Z10000, add $12.50. The user is responsible for installing the Z10000. Please specify the desired gain setting when placing your order for an assembled Z10000. Assembled Z10000's will be shipped with a set of gain-setting resistors, should you wish to vary the gain later. Assembly does not include attaching cables to the board; it is the purchaser's responsibility to attach the board to the coaxial cables and power wiring.

You want 0dB gain setting for the buffer board

comments: the trickiest part is stripping the RG-174 coax and soldering it to the buffer board and the Orion rear panel Spare jack. Also there's tack soldering of the buffer board dc connection to a voltage regulator on the 9MHz if board.

2. *LP-PAN* info is at http://www.telepostinc.com/LP-PAN.html - current price is $250 plus shipping, and you choose "Orion"

3. There is recommended *soundcard* info at the LP-PAN Web site. I am currently using my ASUS motherboard embedded 192KHz soundcard (Realtek HD).

4. NaP3 *software* is available at http://www.hb9joi.ch/ - I recommend this version: http://www.hb9joi.ch/5/NaP3-v4.0-RC1.zip

comment: NaP3 needs to talk to the Orion CAT interface so you need the Orion serial port connected to your PC. If you use Ham Radio Deluxe software, NaP3 can talk directly to HRD. Otherwise if you want to also run logging software at the same time (other than HRD), you will need a port

sharing software solution. There are several possibilites, but what I know works and I'm using is a Microham USB keyer with the Microham USB Router software which provides CAT port sharing as well as an interface cable for the Orion.

You will need to tweak the settings in NaP3 to get the display frequency matched to the Orion. Here are the IF Freq Offsets that work for me:

Global Offset -7092

LSB 2600

USB -3500

CWL 50

AM -430

73 & GL, Barry N1EU

On Sun, Dec 7, 2014 at 5:48 PM, Dennis Clemenson <dclemenson@...> wrote:

>
> *From:* Dennis Clemenson <dclemenson@...>
> *Date:* December 7, 2014 at 11:02:46 AM CST
> *To:* "orion565@yahoogroups.com" <orion565@yahoogroups.com>
> *Subject:* *Re: [orion565] rockin' LP-PAN*
>
> I'd like to set this up on my Orion II. Would you please verify the
> hardware and software needed to accomplish this? I just ordered the
> Clifton lab board to get the 9 MHz IF sample. And I know I need the LP -Pan
> unit. Another sound card as well? The software with Windows 7... CW
> Skimmer and NaP3? Is that the complete list? Thanks. Dennis NT0V
>
> Sent from my iPhone
>
> On Dec 6, 2014, at 5:08 AM, Barry N1EU barry.n1eu@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
>
>
> Having fun in the ARRL 160M contest with my Orion II/LP-PAN combo.
> Thought I'd post an image of what this combo provides with NaP3:
>
> http://n1eu.com/images/OrionPan.jpg
>
> (the spot labeling was added right before the end of firther NaP3 software
> development and it's pretty cool)
>
> 73, Barry N1EU
>

>
>
>

10345. RX-366 question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-09 23:44:58 UTC
From: Barry N1EU
Topic: 10345 Message: 10345

Can an RX-366 owner out there confirm that filter slot F1 is toward the rear of the Orion and slot F3 is toward the front of the Orion? That's how it's labeled on the filter retaining cover but the silkscreen on the board itself where the filters plug in has it the other way around.

Thanks & 73,
Barry N1EU

10346. Re: RX-366 question

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-09 23:58:12 UTC
From: Barry N1EU
Topic: 10345 Message: 10346

Through trial and error I've discovered it's actually the other way around. "Sub-Rx Slot 1" in the menu controls the slot toward the front of the Orion, marked F1 on the board and F3 on the cover. I also realize I might have a very early production filter cover that was subsequently corrected and that would explain my confusion.

73, Barry N1EU

On Tue, Dec 9, 2014 at 11:44 PM, Barry N1EU <barry.n1eu@...> wrote:

> Can an RX-366 owner out there confirm that filter slot F1 is toward the
> rear of the Orion and slot F3 is toward the front of the Orion? That's how
> it's labeled on the filter retaining cover but the silkscreen on the board
> itself where the filters plug in has it the other way around.
>
> Thanks & 73,
> Barry N1EU
>

10347. FS: DX Engineering Receive Four Square Array - NEW!

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-18 00:39:26 UTC
From: bradld@...
Topic: 10347 Message: 10347

Figured I would get this out to the Orion group in case anyone needs an RX system:

For Sale:

New in boxes! DX Engineering Receive Four-Square Array Electronics Package:

8 position Control Console;

Receive Four Square Array Controller;

4 (four) Active Matching units without Internal Disconnect Relays;

Receive Antenna Active Vertical Antennas Receiver Preamplifier;

Three Custom Delay Lines
(The three delay lines included are based on a 70 foot square
physical layout for 160, 80 and 40 meter performance) ;

****

$1125 o.b.o. - Shipped US/Canada only.
w1nt (at) yahoo.com if interested

10348. NaP3 polling

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-28 20:40:25 UTC
From: bradld@...
Topic: 10348 Message: 10348

Curious if anyone has found a good set of polling combinations to optimize smoothness on both in software tuning and rig tuning knob movements and if you could share the optimizations?

Thanks,

Brad

10349. Re: [orion565] NaP3 polling

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-28 21:47:06 UTC
From: Barry N1EU
Topic: 10348 Message: 10349

Brad, it greatly matters if the CAT port is being shared. I'm always sharing the CAT port with my logging software so I need to keep the NaP3 polling infrequent, in the 500msec-1000msec range.

I don't think there's a whole lot of Orion owners using NaP3, but I could be wrong.

73/HNY, Barry N1EU

On Sun, Dec 28, 2014 at 8:40 PM, bradld@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Curious if anyone has found a good set of polling combinations to optimize
> smoothness on both in software tuning and rig tuning knob movements and if
> you could share the optimizations?
>
> Thanks,
>
> Brad
>
>
>
>

10350. AM station during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-31 16:56:48 UTC
From: Steven Hammond
Topic: 10348 Message: 10350

I know I've put this forward before, but I'm still having issues with my Orion II. Here's the scenario. Everytime I transmit, I can hear WBAP 820AM in my heil proset headset. It only happens when I transmit (VOX or PTT). I thought it might be the cabling with the headphones, so I bought a headset from Ten Tec that I figured was wired properly for the Orion II. But I still can hear the radio station when I go to transmit. So, I disabled the transmitter and turned down the power output, disconnected the antenna, and hit the PTT. There was the radio station on my headsets again. I unplugged the headsets and could hear the radio station on my Ten Tec external speaker.

So, I can I be picking up an AM station when I have no antenna hooked up and it's in transmit mode? Thanks guys for any suggestions. Oh, yes, I replaced a filter sent by Ten Tec for commercial broadcast stations.

Steven Hammond
KY5M

10351. RE: [orion565] AM station during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-31 17:37:09 UTC
From: Andrew B Steen
Topic: 10348 Message: 10351

Hi Steve.

Since you are located only 12 mi from their 50KW transmitter site, I would bet you are S.O.L. :)

I’m not sure there is a solution to this.

Good luck, 73

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Wednesday, December 31, 2014 8:57 AM
To: orion565@yahoogroups.com
Subject: [orion565] AM station during transmit

I know I've put this forward before, but I'm still having issues with my Orion II. Here's the scenario. Everytime I transmit, I can hear WBAP 820AM in my heil proset headset. It only happens when I transmit (VOX or PTT). I thought it might be the cabling with the headphones, so I bought a headset from Ten Tec that I figured was wired properly for the Orion II. But I still can hear the radio station when I go to transmit. So, I disabled the transmitter and turned down the power output, disconnected the antenna, and hit the PTT. There was the radio station on my headsets again. I unplugged the headsets and could hear the radio station on my Ten Tec external speaker.

So, I can I be picking up an AM station when I have no antenna hooked up and it's in transmit mode? Thanks guys for any suggestions. Oh, yes, I replaced a filter sent by Ten Tec for commercial broadcast stations.

Steven Hammond
KY5M

10352. Re: [orion565] AM station during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-31 17:53:37 UTC
From: Steven Hammond
Topic: 10348 Message: 10352

Well, I thought they might be true, but I never experienced this on my Yaesu FT-950 or FT-2000. I have had ICOM's over and no problem. This is my first Ten Tec rig and really like it other than the annoying talk radio in my headset when I'm trying to talk on SSB (hi). I don't seem to hear it if I use a handheld mic though. I'll keep playing around to see what it might be.

Steve Hammond
KY5M

On 12/31/2014 11:37 AM, 'Andrew B Steen' n2gff@... [orion565] wrote:
>
> Hi Steve.
>
> Since you are located only 12 mi from their 50KW transmitter site, I
> would bet you are S.O.L. J
>
> I’m not sure there is a solution to this.
>
> Good luck, 73
>
> Andrew
>
> K6STN
>
> *From:*orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Wednesday, December 31, 2014 8:57 AM
> *To:* orion565@yahoogroups.com
> *Subject:* [orion565] AM station during transmit
>
> I know I've put this forward before, but I'm still having issues with my
> Orion II. Here's the scenario. Everytime I transmit, I can hear WBAP
> 820AM in my heil proset headset. It only happens when I transmit (VOX
> or PTT). I thought it might be the cabling with the headphones, so I
> bought a headset from Ten Tec that I figured was wired properly for the
> Orion II. But I still can hear the radio station when I go to
> transmit. So, I disabled the transmitter and turned down the power
> output, disconnected the antenna, and hit the PTT. There was the radio
> station on my headsets again. I unplugged the headsets and could hear
> the radio station on my Ten Tec external speaker.
>
> So, I can I be picking up an AM station when I have no antenna hooked up
> and it's in transmit mode? Thanks guys for any suggestions. Oh, yes, I
> replaced a filter sent by Ten Tec for commercial broadcast stations.

>
> Steven Hammond
> KY5M
>
>

10353. Re: [orion565] AM station during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-31 19:04:58 UTC
From: Jerry Rogers
Topic: 10348 Message: 10353

Steve: My QTH is 1/2 mile from a 50KW am station (1110AM). My rigs are the Orion II, Eagle, Argonaut VI, IC-7000. My Orion II is a 2010 dated model.
I've never heard the radio station in any of my radios during transmit. However, I know of a ham in NJ that has an Orion, and he was getting a local AM station in his radio on xmit. It seems the ham had to do something to his TenTec mic wiring. (708 desk mic). The way it came from T*T was not working, so he had another ham rewire it, or put a ground wire on the mic plug to the chassis.

If I can contact this ham I will ask him. Until then, checkout the mic plug for a ground. By the way, I key my Orion II, Eagle, and Argonaut VI via the cw keys which are connected to my rigs. It sure works FB for me
and I do not use keying through the mic plug.

Good Luck

Jerry, ki4ps

> On Dec 31, 2014, at 12:53 PM, Steven Hammond bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Well, I thought they might be true, but I never experienced this on my Yaesu FT-950 or FT-2000. I have had ICOM's over and no problem. This is my first Ten Tec rig and really like it other than the annoying talk radio in my headset when I'm trying to talk on SSB (hi). I don't seem to hear it if I use a handheld mic though. I'll keep playing around to see what it might be.
>
> Steve Hammond
> KY5M
>
>
> On 12/31/2014 11:37 AM, 'Andrew B Steen' n2gff@sbcglobal.net <mailto:n2gff@...> [orion565] wrote:
>>
>> Hi Steve.
>>
>> Since you are located only 12 mi from their 50KW transmitter site, I would bet you are S.O.L. J
>>
>> I'm not sure there is a solution to this.
>>
>> Good luck, 73
>>
>> Andrew
>>
>> K6STN
>>

>>
>>
>> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
>> Sent: Wednesday, December 31, 2014 8:57 AM
>> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>> Subject: [orion565] AM station during transmit
>>
>>
>>
>>
>>
>> I know I've put this forward before, but I'm still having issues with my
>> Orion II. Here's the scenario. Everytime I transmit, I can hear WBAP
>> 820AM in my heil proset headset. It only happens when I transmit (VOX
>> or PTT). I thought it might be the cabling with the headphones, so I
>> bought a headset from Ten Tec that I figured was wired properly for the
>> Orion II. But I still can hear the radio station when I go to
>> transmit. So, I disabled the transmitter and turned down the power
>> output, disconnected the antenna, and hit the PTT. There was the radio
>> station on my headsets again. I unplugged the headsets and could hear
>> the radio station on my Ten Tec external speaker.
>>
>> So, I can I be picking up an AM station when I have no antenna hooked up
>> and it's in transmit mode? Thanks guys for any suggestions. Oh, yes, I
>> replaced a filter sent by Ten Tec for commercial broadcast stations.
>>
>> Steven Hammond
>> KY5M
>>
>>
>
>
>

10354. Re: [orion565] AM station during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-31 19:05:50 UTC
From: Jerry Rogers
Topic: 10348 Message: 10354

Steve: My QTH is 1/2 mile from a 50KW am station (1110AM). My rigs are the Orion II, Eagle, Argonaut VI, IC-7000. My Orion II is a 2010 dated model.
I've never heard the radio station in any of my radios during transmit. However, I know of a ham in NJ that has an Orion, and he was getting a local AM station in his radio on xmit. It seems the ham had to do something to his TenTec mic wiring. (708 desk mic). The way it came from T*T was not working, so he had another ham rewire it, or put a ground wire on the mic plug to the chassis.

If I can contact this ham I will ask him. Until then, checkout the mic plug for a ground. By the way, I key my Orion II, Eagle, and Argonaut VI via the cw keys which are connected to my rigs. It sure works FB for me
and I do not use keying through the mic plug.

Good Luck

Jerry, ki4ps

> On Dec 31, 2014, at 12:53 PM, Steven Hammond bcf1689@... <mailto:bcf1689@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
> Well, I thought they might be true, but I never experienced this on my Yaesu FT-950 or FT-2000. I have had ICOM's over and no problem. This is my first Ten Tec rig and really like it other than the annoying talk radio in my headset when I'm trying to talk on SSB (hi). I don't seem to hear it if I use a handheld mic though. I'll keep playing around to see what it might be.
>
> Steve Hammond
> KY5M
>
>
> On 12/31/2014 11:37 AM, 'Andrew B Steen' n2gff@... <mailto:n2gff@...> [orion565] wrote:
>>
>> Hi Steve.
>>
>> Since you are located only 12 mi from their 50KW transmitter site, I would bet you are S.O.L. J
>>
>> I'm not sure there is a solution to this.
>>
>> Good luck, 73
>>
>> Andrew
>>
>> K6STN
>>
>>

>>
>> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
>> Sent: Wednesday, December 31, 2014 8:57 AM
>> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>> Subject: [orion565] AM station during transmit
>>
>>
>>
>>
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>> I know I've put this forward before, but I'm still having issues with my
>> Orion II. Here's the scenario. Everytime I transmit, I can hear WBAP
>> 820AM in my heil proset headset. It only happens when I transmit (VOX
>> or PTT). I thought it might be the cabling with the headphones, so I
>> bought a headset from Ten Tec that I figured was wired properly for the
>> Orion II. But I still can hear the radio station when I go to
>> transmit. So, I disabled the transmitter and turned down the power
>> output, disconnected the antenna, and hit the PTT. There was the radio
>> station on my headsets again. I unplugged the headsets and could hear
>> the radio station on my Ten Tec external speaker.
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>> So, I can I be picking up an AM station when I have no antenna hooked up
>> and it's in transmit mode? Thanks guys for any suggestions. Oh, yes, I
>> replaced a filter sent by Ten Tec for commercial broadcast stations.
>>
>> Steven Hammond
>> KY5M
>>
>>
>
>
>

10355. Re: [orion565] AM station during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-31 19:20:19 UTC
From: Steven Hammond
Topic: 10348 Message: 10355

Thanks for the input! It's nice to know I'm not just being stupid (well, that's yet to be seen - hi). I too use the CW keys for my PTT (the one I had with the little red button was annoying and hurting my thumb). I was wondering if something wasn't grounded properly. I want to say I had a hand mike and it appeared to work okay (I'll try it out tonight). Any information on the wiring or grounding the mic plug to the chassis would be greatly appreciated.

Steve Hammond

On 12/31/2014 1:05 PM, Jerry Rogers ki4ps@... [orion565] wrote:
>
> Steve: My QTH is 1/2 mile from a 50KW am station (1110AM). My rigs
> are the Orion II, Eagle, Argonaut VI, IC-7000. My Orion II is a 2010
> dated model.
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> I’ve never heard the radio station in any of my radios during
> transmit. However, I know of a ham in NJ that has an Orion, and he
> was getting a local AM station in his radio on xmit.
> It seems the ham had to do something to his TenTec mic wiring. (708
> desk mic). The way it came from T*T was not working, so he had
> another ham rewire it, or put a ground wire on the mic plug to the
> chassis.
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> If I can contact this ham I will ask him. Until then, checkout the
> mic plug for a ground. By the way, I key my Orion II, Eagle, and
> Argonaut VI via the cw keys which are connected to my rigs. It sure
> works FB for me
> and I do not use keying through the mic plug.
>
> Good Luck
>
> Jerry, ki4ps
>
>
>
>> On Dec 31, 2014, at 12:53 PM, Steven Hammond bcf1689@...
>> <mailto:bcf1689@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
>>
>> Well, I thought they might be true, but I never experienced this on
>> my Yaesu FT-950 or FT-2000. I have had ICOM's over and no problem.
>> This is my first Ten Tec rig and really like it other than the
>> annoying talk radio in my headset when I'm trying to talk on SSB
>> (hi). I don't seem to hear it if I use a handheld mic though. I'll

>> keep playing around to see what it might be.
>>
>> Steve Hammond
>> KY5M
>>
>> On 12/31/2014 11:37 AM, 'Andrew B Steen'n2gff@...[orion565]
>> wrote:
>>>
>>> Hi Steve.
>>>
>>> Since you are located only 12 mi from their 50KW transmitter site, I
>>> would bet you are S.O.L. J
>>>
>>> I’m not sure there is a solution to this.
>>>
>>> Good luck, 73
>>>
>>> Andrew
>>>
>>> K6STN
>>>
>>> *From:*orion565@yahoogroups.com[mailto:orion565@yahoogroups.com]
>>> *Sent:*Wednesday, December 31, 2014 8:57 AM
>>> *To:*orion565@yahoogroups.com
>>> *Subject:*[orion565] AM station during transmit
>>>
>>> I know I've put this forward before, but I'm still having issues with my
>>> Orion II. Here's the scenario. Everytime I transmit, I can hear WBAP
>>> 820AM in my heil proset headset. It only happens when I transmit (VOX
>>> or PTT). I thought it might be the cabling with the headphones, so I
>>> bought a headset from Ten Tec that I figured was wired properly for the
>>> Orion II. But I still can hear the radio station when I go to
>>> transmit. So, I disabled the transmitter and turned down the power
>>> output, disconnected the antenna, and hit the PTT. There was the radio
>>> station on my headsets again. I unplugged the headsets and could hear
>>> the radio station on my Ten Tec external speaker.
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>>> So, I can I be picking up an AM station when I have no antenna hooked up
>>> and it's in transmit mode? Thanks guys for any suggestions. Oh, yes, I
>>> replaced a filter sent by Ten Tec for commercial broadcast stations.
>>>
>>> Steven Hammond
>>> KY5M
>>>
>>
>>
>
>

10356. Re: [orion565] AM station during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-31 19:44:07 UTC
From: Tarniowy
Topic: 10348 Message: 10356

Steve,
How old is your Orion II? I had some problem with RFI and ten- tec send me some kit (small board that need to be mounted on the mic connector) to fix the issues.
You can contact ten tec and ask them about this issues and also ask them about the " extra " board.
Also did you try to put some toroids core (choke)on the microphone cable to avoid RFI ?

Arek
AC2FC

Sent from my iPhone

On Dec 31, 2014, at 2:20 PM, "Steven Hammond bcf1689@gmail.com [orion565]" <orion565@yahoogroups.com> wrote:

> Thanks for the input! It's nice to know I'm not just being stupid (well, that's yet to be seen - hi). I too use the CW keys for my PTT (the one I had with the little red button was annoying and hurting my thumb). I was wondering if something wasn't grounded properly. I want to say I had a hand mike and it appeared to work okay (I'll try it out tonight). Any information on the wiring or grounding the mic plug to the chassis would be greatly appreciated.
>
> Steve Hammond
>
> On 12/31/2014 1:05 PM, Jerry Rogers ki4ps@yahoo.com [orion565] wrote:
>>
>> Steve: My QTH is 1/2 mile from a 50KW am station (1110AM). My rigs are the Orion II, Eagle, Argonaut VI, IC-7000. My Orion II is a 2010 dated model.
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>> I’ve never heard the radio station in any of my radios during transmit. However, I know of a ham in NJ that has an Orion, and he was getting a local AM station in his radio on xmit.
>> It seems the ham had to do something to his TenTec mic wiring. (708 desk mic). The way it came from T*T was not working, so he had another ham rewire it, or put a ground wire on the mic plug to the chassis.
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>> If I can contact this ham I will ask him. Until then, checkout the mic plug for a ground. By the way, I key my Orion II, Eagle, and Argonaut VI via the cw keys which are connected to my rigs. It sure works FB for me
>> and I do not use keying through the mic plug.
>>
>> Good Luck
>>
>> Jerry, ki4ps
>>
>>

>>
>>> On Dec 31, 2014, at 12:53 PM, Steven Hammond bcf1689@... [orion565]
<orion565@yahoogroups.com> wrote:
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>>> Well, I thought they might be true, but I never experienced this on my Yaesu FT-950 or FT-2000. I have had ICOM's over and no problem. This is my first Ten Tec rig and really like it other than the annoying talk radio in my headset when I'm trying to talk on SSB (hi). I don't seem to hear it if I use a handheld mic though. I'll keep playing around to see what it might be.
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>>> Steve Hammond
>>> KY5M
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>>> On 12/31/2014 11:37 AM, 'Andrew B Steen' n2gff@... [orion565] wrote:
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>>>> Hi Steve.
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>>>> Since you are located only 12 mi from their 50KW transmitter site, I would bet you are S.O.L. J
>>>>
>>>> I’m not sure there is a solution to this.
>>>>
>>>> Good luck, 73
>>>>
>>>> Andrew
>>>>
>>>> K6STN
>>>>
>>>>
>>>>
>>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
>>>> Sent: Wednesday, December 31, 2014 8:57 AM
>>>> To: orion565@yahoogroups.com
>>>> Subject: [orion565] AM station during transmit
>>>>
>>>>
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>>>> I know I've put this forward before, but I'm still having issues with my
>>>> Orion II. Here's the scenario. Everytime I transmit, I can hear WBAP
>>>> 820AM in my heil proset headset. It only happens when I transmit (VOX
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>>>> bought a headset from Ten Tec that I figured was wired properly for the
>>>> Orion II. But I still can hear the radio station when I go to
>>>> transmit. So, I disabled the transmitter and turned down the power
>>>> output, disconnected the antenna, and hit the PTT. There was the radio
>>>> station on my headsets again. I unplugged the headsets and could hear
>>>> the radio station on my Ten Tec external speaker.
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>>>> So, I can I be picking up an AM station when I have no antenna hooked up
>>>> and it's in transmit mode? Thanks guys for any suggestions. Oh, yes, I
>>>> replaced a filter sent by Ten Tec for commercial broadcast stations.
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>>>> Steven Hammond
>>>> KY5M
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>

10357. Re: [orion565] AM station during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-31 20:16:43 UTC
From: Steven Hammond
Topic: 10348 Message: 10357

Arek,

Yes, I installed the little board. Though honestly, it looked identical to the one already installed. I just bought the Orion II this Spring second hand, so I'm not for sure of it's age. No, I haven't tried any toroids on the cable. I might give that a try this evening when I get home. Do you (or anyone on the board) know which schematic diagram I can look at to see how the mic is connected to the system?

Steve Hammond
KY5M
On 12/31/2014 1:44 PM, Tarniowy tarniowy@... [orion565] wrote:
> Steve,
> How old is your Orion II? I had some problem with RFI and ten- tec
> send me some kit (small board that need to be mounted on the mic
> connector) to fix the issues.
> You can contact ten tec and ask them about this issues and also ask
> them about the " extra " board.
> Also did you try to put some toroids core (choke)on the microphone
> cable to avoid RFI ?
>
> Arek
> AC2FC
>
> Sent from my iPhone
>
> On Dec 31, 2014, at 2:20 PM, "Steven Hammond bcf1689@...
> <mailto:bcf1689@...> [orion565]" <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
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>> Thanks for the input! It's nice to know I'm not just being stupid
>> (well, that's yet to be seen - hi). I too use the CW keys for my PTT
>> (the one I had with the little red button was annoying and hurting my
>> thumb). I was wondering if something wasn't grounded properly. I
>> want to say I had a hand mike and it appeared to work okay (I'll try
>> it out tonight). Any information on the wiring or grounding the mic
>> plug to the chassis would be greatly appreciated.
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>>>> annoying talk radio in my headset when I'm trying to talk on SSB
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>>>>> Since you are located only 12 mi from their 50KW transmitter site,
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>>>>> I’m not sure there is a solution to this.
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>>>>> Good luck, 73
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>>>>>
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>>>>> *Sent:*Wednesday, December 31, 2014 8:57 AM
>>>>> *To:*orion565@yahoogroups.com
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>>>>> Steven Hammond
>>>>> KY5M
>>>>>
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>>>
>>
>

10358. Re: [orion565] AM station during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-31 21:29:34 UTC
From: N9ETD@...
Topic: 10348 Message: 10358

Steve

When you're using the hand mike and don't hear the broadcast station are you still using the Heil headset or a different one ?

73, Craig N9ETD

10359. Re: [orion565] AM station during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2014-12-31 23:57:58 UTC
From: Duane Calvin
Topic: 10348 Message: 10359

I thought this was only a problem on the original Orion.

Duane Calvin
Sent from my iPhone

> On Dec 31, 2014, at 2:44 PM, Tarniowy tarniowy@...m [orion565]
<orion565@yahoogroups.com> wrote:
>
>
>
> Steve,
> How old is your Orion II? I had some problem with RFI and ten- tec send me some kit (small board that need to be mounted on the mic connector) to fix the issues.
> You can contact ten tec and ask them about this issues and also ask them about the " extra " board.
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>>>>> Hi Steve.
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>>>>> Since you are located only 12 mi from their 50KW transmitter site, I would bet you are S.O.L. J
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>>>>> Good luck, 73
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>>>>> Andrew
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>>>>> Steven Hammond
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10360. Orion II won't flash

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-04 10:53:06 UTC
From: Barry N1EU
Topic: 10360 Message: 10360

Has anybody else ran across this issue or have some informed suggestions?
My logging software communicates fine with my Orion II but the latest
Updater (v4.15) reports communincation failure over the same serial port.
I've tried master reset/ram clear and power cycling without success. The
exact same serial port (not a USB adapter) will flash my other Orions fine.

Thanks & Happy New Year,
Barry N1EU

10361. solved - Orion II won't flash

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-04 19:19:15 UTC
From: Barry N1EU
Topic: 10361 Message: 10361

Thanks to Rick VE7TK's suggestion, I dug up my ancient WinXP computer and cabled it up and it flashed the radio fine.

73, Barry N1EU

10362. Digital Modes / Soundcard Interface Unnecessary for 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-06 23:49:43 UTC
From: grant@...
Topic: 10362 Message: 10362

Recently, after much agrivation, I learned that the Orion does not need (or can even use) a signal link or even TT's own unit to make the radio work with PSK, etc. Instead they finally told me to use a cable (which they nicely provided) to go direct from the computer sound card to the input in the back of the 565. This is crazy since they sold me their sound card interface which does work with other TT products, just not the 565 line. Many of you tried to help me configure my Signal Link for which I am grateful but it never worked until TT finally told me it was unnecessary. I hope this helps others that find themselves in my plight. Get the cable from TT or make your own and enjoy digital on the incredible 565 receiver.

73 & good DX de W5XJ
EM 12 ou

10363. RE: [orion565] Digital Modes / Soundcard Interface Unnecessary for 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-07 00:05:20 UTC
From: Duane Calvin
Topic: 10362 Message: 10363

That’s odd. I used a microHam digiKeyer that worked fine with my 565 Orion in all digital modes that I ran (FSK RTTY, PSK31, and a couple of other digital modes using audio link to the radio.) I’m not sure why the Signal Link didn’t work, but the microHam sure did.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, January 06, 2015 5:50 PM
To: orion565@yahoogroups.com
Subject: [orion565] Digital Modes / Soundcard Interface Unnecessary for 565

Recently, after much agrivation, I learned that the Orion does not need (or can even use) a signal link or even TT's own unit to make the radio work with PSK, etc. Instead they finally told me to use a cable (which they nicely provided) to go direct from the computer sound card to the input in the back of the 565. This is crazy since they sold me their sound card interface which does work with other TT products, just not the 565 line. Many of you tried to help me configure my Signal Link for which I am grateful but it never worked until TT finally told me it was unnecessary. I hope this helps others that find themselves in my plight. Get the cable from TT or make your own and enjoy digital on the incredible 565 receiver.

73 & good DX de W5XJ

EM 12 ou

10364. RE: [orion565] Digital Modes / Soundcard Interface Unnecessary for 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-07 04:48:17 UTC
From: Andrew B Steen
Topic: 10362 Message: 10364

I have been using the signal link with the appropriate cable, and it works great in all modes. I use MixW software.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, January 06, 2015 4:05 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Digital Modes / Soundcard Interface Unnecessary for 565

That’s odd. I used a microHam digiKeyer that worked fine with my 565 Orion in all digital modes that I ran (FSK RTTY, PSK31, and a couple of other digital modes using audio link to the radio.) I’m not sure why the Signal Link didn’t work, but the microHam sure did.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
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Subject: [orion565] Digital Modes / Soundcard Interface Unnecessary for 565

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73 & good DX de W5XJ

EM 12 ou

10365. Re: [orion565] Digital Modes / Soundcard Interface Unnecessary for 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-07 07:26:41 UTC
From: Peter Frenning [OZ1PIF]
Topic: 10362 Message: 10365

Den 07-01-2015 kl. 00:49 skrev grant@... [orion565]:
>
>
> Recently, after much agrivation, I learned that the Orion does not
> need (or can even use) a signal link or even TT's own unit to make the
> radio work with PSK, etc. Instead they finally told me to use a cable
> (which they nicely provided) to go direct from the computer sound card
> to the input in the back of the 565. This is crazy since they sold me
> their sound card interface which does work with other TT products,
> just not the 565 line. Many of you tried to help me configure my
> Signal Link for which I am grateful but it never worked until TT
> finally told me it was unnecessary. I hope this helps others that find
> themselves in my plight. Get the cable from TT or make your own and
> enjoy digital on the incredible 565 receiver.
>
>
> 73 & good DX de W5XJ
>
> EM 12 ou
>
>
What an utter load of rubbish (on the part of TT), the Orion can, will
and does here at my shack, the problem you are seeing is an design fault
in the Orion (and the 2 as well), there's an unwanted DC komponent on
one of the LF pins in the ACC connector.
How to fix it or work around it is all documented here:
http://www.frenning.dk/OZ1PIF_HOMEPAGE/SignaLinkUSB-mods.html and here:
http://www.frenning.dk/OZ1PIF_HOMEPAGE/TenTec_OrionII.html

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** If it sounds too good to be true -- **
** it is! **
** If it sounds about right -- make **
** sure you can afford to be wrong! **
** **
** -- Robert Heinlein: **
** "Time enough for love" **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239/ +45 2332 9464
Snailmail:

Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

10366. Re: [orion565] Digital Modes / Soundcard Interface Unnecessary for 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-07 14:46:20 UTC
From: Barry N1EU
Topic: 10362 Message: 10366

Peter, are you referring specifically to the 566 audio line out having d.c. voltage present?

Do we know for sure that this problem is present in the 565 that W5XJ was asking about? The circuits may be different - I know that the 565 has stereo line out connections where the 566 only has one.

73, Barry N1EU

On Wed, Jan 7, 2015 at 2:26 AM, 'Peter Frenning [OZ1PIF]' peter@... [orion565] <orion565@yahoogroups.com> wrote:

>
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> Den 07-01-2015 kl. 00:49 skrev grant@... [orion565]:
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> http://www.frenning.dk/OZ1PIF_HOMEPAGE/TenTec_OrionII.html
>
> --
> Vy 73 de OZ1PIF/5Q2M, Peter
>

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> ** it is! **
> ** If it sounds about right -- make **
> ** sure you can afford to be wrong! **
> ** **
> ** -- Robert Heinlein: **
> ** "Time enough for love" **
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> email: peter(no-spam filler)@frenning.dk
> http://www.frenning.dk/oz1pif.htm
> Ph. +45 4619 3239/ +45 2332 9464
> Snailmail:
> Peter Frenning
> Ternevej 23
> DK-4130 Viby Sj.
> Denmark
> **
>
>
>

10367. RE: [orion565] Digital Modes / Soundcard Interface Unnecessary for 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-07 17:29:20 UTC
From: johnnykludt@...
Topic: 10362 Message: 10367

I am curious - are you running FSK or AFSK? How do you have your 565 setup?

John K4SQC

10368. S-meter calibration

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-09 21:46:07 UTC
From: Barry N1EU
Topic: 10368 Message: 10368

Could someone please tell me how I adjust the s-meter calibration numbers in the hidden menu (RX Menu, then push PWR) such that an s9 signal registers s9, etc?

I first set the meter pot (access hole in top panel behind AUDIO button) so that meter registers 100W when transmitting 100W. Now I want to adjust s-meter but I'm confused on adjusting those numbers.

Thanks & 73,
Barry N1EU

10369. Re: [orion565] S-meter calibration

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-09 22:27:07 UTC
From: Jerry Rogers
Topic: 10368 Message: 10369

The TenTec site has the info on the downloads for the Orion.

Jerry
ki4ps

> On Jan 9, 2015, at 4:46 PM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
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> Thanks & 73,
> Barry N1EU
>
>

10370. Re: [orion565] S-meter calibration

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-09 22:29:28 UTC
From: Jerry Rogers
Topic: 10368 Message: 10370

It’s under the 566 Orion download.

Jerry
ki4ps
> On Jan 9, 2015, at 5:27 PM, Jerry Rogers ki4ps@... [orion565] <orion565@...m> wrote:
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> The TenTec site has the info on the downloads for the Orion.
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> Jerry
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>> Thanks & 73,
>> Barry N1EU
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10371. Re: S-meter calibration

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-09 22:55:25 UTC
From: Barry N1EU
Topic: 10368 Message: 10371

I should have mentioned I'm well aware of the procedure shown at http://www.tentecwiki.org/lib/exe/fetch.php?media=s-meter_565.pdf - I am suggesting that this procedure is incomplete. When I set the meter to read 100W when transmitting 100W and then follow that procedure, I end up reading s5 on a 50uV s9 signal.

There was a thread 3 years ago at http://lists.contesting.com/_tentec/2012-01/msg00014.html that is speaking of this matter but I don't understand the method alluded to so was asking if anybody know.

Barry N1EU

On Fri, Jan 9, 2015 at 9:46 PM, Barry N1EU <barry.n1eu@...> wrote:

> Could someone please tell me how I adjust the s-meter calibration numbers
> in the hidden menu (RX Menu, then push PWR) such that an s9 signal
> registers s9, etc?
>
> I first set the meter pot (access hole in top panel behind AUDIO button)
> so that meter registers 100W when transmitting 100W. Now I want to adjust
> s-meter but I'm confused on adjusting those numbers.
>
> Thanks & 73,
> Barry N1EU
>

10372. Re: [TTBUG] S-meter calibration

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-09 23:51:25 UTC
From: Onno PA1AP
Topic: 10368 Message: 10372

I believe the s meter calibration is intended to be used for calibrating
the s meter. Thats not the same as pwr measurement.
On Jan 9, 2015 10:46 PM, "Barry N1EU barry.n1eu@... [TTBUG]" <
TTBUG@yahoogroups.com> wrote:

>
>
> Could someone please tell me how I adjust the s-meter calibration numbers
> in the hidden menu (RX Menu, then push PWR) such that an s9 signal
> registers s9, etc?
>
> I first set the meter pot (access hole in top panel behind AUDIO button)
> so that meter registers 100W when transmitting 100W. Now I want to adjust
> s-meter but I'm confused on adjusting those numbers.
>
> Thanks & 73,
> Barry N1EU
>
>

10373. Re: [TTBUG] S-meter calibration

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-10 01:34:10 UTC
From: Eric Rosenberg
Topic: 10368 Message: 10373

That's what I thought.

When I fed the Elecraft XG-3 signal into the Aux RX input of the Orion,
S9 in = S9 on the meter..

I haven't touched the output setting of the meter.

73,
Eric W3DQ

On 1/9/2015 6:51 PM, Onno PA1AP pa1ap@... [TTBUG] wrote:
>
> I believe the s meter calibration is intended to be used for
> calibrating the s meter. Thats not the same as pwr measurement.
>
> On Jan 9, 2015 10:46 PM, "Barry N1EU barry.n1eu@...
> <mailto:barry.n1eu@...> [TTBUG]" <TTBUG@yahoogroups.com
> <mailto:TTBUG@yahoogroups.com>> wrote:
>
> Could someone please tell me how I adjust the s-meter calibration
> numbers in the hidden menu (RX Menu, then push PWR) such that an
> s9 signal registers s9, etc?
>
> I first set the meter pot (access hole in top panel behind AUDIO
> button) so that meter registers 100W when transmitting 100W. Now
> I want to adjust s-meter but I'm confused on adjusting those numbers.
>
> Thanks & 73,
> Barry N1EU
>
>

10374. Parted out Orion?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-10 14:13:40 UTC
From: Barry N1EU
Topic: 10374 Message: 10374

If anybody has parted out an Orion or Orion II, please drop me an email.
I'm looking for an IF Converter board.

Thanks & 73,
Barry N1EU

10375. Re: [orion565] Parted out Orion?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-10 14:17:46 UTC
From: Tarniowy
Topic: 10374 Message: 10375

I am also looking for logic board for Orion 565.

Thanks
Arek
AC2FC

Sent from my iPhone

On Jan 10, 2015, at 9:13 AM, "Barry N1EU barry.n1eu@...m [orion565]" <orion565@yahoogroups.com> wrote:

> If anybody has parted out an Orion or Orion II, please drop me an email. I'm looking for an IF Converter board.
>
> Thanks & 73,
> Barry N1EU
>

10376. Re: Parted out Orion?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-10 14:53:27 UTC
From: Barry N1EU
Topic: 10374 Message: 10376

Sorry, I just discovered the IF Converter boards are very different between the 565 and 566. I need an Orion II 566 IF Converter board if anybody has one.

Thanks & 73,
Barry N1EU

On Sat, Jan 10, 2015 at 2:13 PM, Barry N1EU <barry.n1eu@...> wrote:

> If anybody has parted out an Orion or Orion II, please drop me an email.
> I'm looking for an IF Converter board.
>
> Thanks & 73,
> Barry N1EU
>

10377. Noisy tuning with RX antenna?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-11 01:48:27 UTC
From: Mike Pagel, K9UW
Topic: 10348 Message: 10377

Hello, everyone.
Whenever I select my 565’s RX antenna input (directional array for 160-40) and tune across the band, I am annoyed by a popping sound that accompanies the changing of the digits on the receiver’s display of the received frequency. If you turn the VFO knob with any speed, the popping becomes more like a ripping noise and it is quite counter-productive when you are hunting for weak signals on 160.
This problem exists with the 565, but not with the 566.
Seems like I’ve read about this at some point in the past but cannot remember what solution, if any was proposed. I assume this is a firmware issue?
Anyone else have this problem? I have the latest firmware version installed.
73, de Mike, K9UW
Amherst, WI

10378. Orion II and Hercules II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 02:11:15 UTC
From: rondo47@...
Topic: 10378 Message: 10378

Recently acquired a nice Hercules II amp and want to drive it with my OrionII. Has anyone here hooked up this configuration? I've used it with my Omni 6 plus and works fine. Any suggestions or instructions are appreciated.

Ralph, NA6D

10379. Re: Orion II and Hercules II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 16:03:49 UTC
From: ve7tk@...
Topic: 10378 Message: 10379

Ralph you'll need a "level converter". TEN-TEC built one (Model 311 @ $79) but I don't believe it is still in production. Array Solutions made an interface as well. They called it a Level Converter/Relay Driver for Ten-Tec Orion.

I believe there have been some circuits in the pages of QST as well.

Good luck!

73, Rick
VE7TK

10380. RE: [orion565] Re: Orion II and Hercules II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 16:36:59 UTC
From: Ralph Matthews
Topic: 10378 Message: 10380

Thanks, Rick. I have found one! I am still not sure how to get the RF from the O2 to the amp. It just has an RF input SO239, but does not have the TX EN/TX OUT that the O2 has. I am going to hook up straight from the RF output of the O2 to the input of the Hercules. Hope I don’t blow anything up!!

73, Ralph, NA6D

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, January 12, 2015 8:04 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion II and Hercules II

Ralph you'll need a "level converter". TEN-TEC built one (Model 311 @ $79) but I don't believe it is still in production. Array Solutions made an interface as well. They called it a Level Converter/Relay Driver for Ten-Tec Orion.

I believe there have been some circuits in the pages of QST as well.

Good luck!

73, Rick

VE7TK

10381. RE: [orion565] Re: Orion II and Hercules II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 17:02:34 UTC
From: ve7tk@...
Topic: 10378 Message: 10381

The RF goes:

Orion >> Tuner >>> Herc. (You'll need a tuner capable of at least 550 watts)

The keying loop on the Herc is labelled KEY IN / KEY OUT.(page 1-3 of the Herc Manual)

73, Rick

10382. RE: [orion565] Re: Orion II and Hercules II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 17:08:22 UTC
From: Ralph Matthews
Topic: 10378 Message: 10382

Thanks, Rick. I have been unable to obtain a complete copy of the 311 manual. I tried the Ten Tec website under the obsolete downloads, but nothing happens. Bummer.

In any case, thanks for the info!

Ralph, NA6D

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, January 12, 2015 9:03 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Orion II and Hercules II

The RF goes:

Orion >> Tuner >>> Herc. (You'll need a tuner capable of at least 550 watts)

The keying loop on the Herc is labelled KEY IN / KEY OUT.(page 1-3 of the Herc Manual)

73, Rick

10383. Re: [orion565] Re: Orion II and Hercules II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 17:11:32 UTC
From: Barry N1EU
Topic: 10378 Message: 10383

I have an Array Solutions Level Converter/Relay Driver for the Orion that
I'm not using. Please contact me off-list and make a cash or trade offer.

73, Barry N1EU

On Mon, Jan 12, 2015 at 4:03 PM, ve7tk@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Ralph you'll need a "level converter". TEN-TEC built one (Model 311 @
> $79) but I don't believe it is still in production. Array Solutions made
> an interface as well. They called it a Level Converter/Relay Driver for
> Ten-Tec Orion.
>
> I believe there have been some circuits in the pages of QST as well.
>
> Good luck!
>
> 73, Rick
> VE7TK
>
>
>

10384. Re: [orion565] Re: Orion II and Hercules II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 17:13:24 UTC
From: Barry N1EU
Topic: 10378 Message: 10384

On Mon, Jan 12, 2015 at 5:11 PM, Barry N1EU <barry.n1eu@...> wrote:

> I have an Array Solutions Level Converter/Relay Driver for the Orion that
> I'm not using. Please contact me off-list and make a cash or trade offer.
>
>
>
Sorry, I didn't make it clear that I am offering this up to the general
Orion user population if anybody is interested.

73, Barry N1EU

10385. Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 17:17:58 UTC
From: mcelmer1@...
Topic: 1910 Message: 10385

What is a fair asking price for an Orion 1 with AT, sub receiver and all filters?

10386. RE: [orion565] Re: Orion II and Hercules II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 17:20:52 UTC
From: ve7tk@...
Topic: 10378 Message: 10386

The "manual" for the 311 is 3 pages and does NOT include a schematic. It is a description of the pin-out for various T-Trigs and the 253 auto tuner. The 311 should come with a cable to plug into the Orion Band Data jack.

If your Hercules has an interface cable for the Omni V or VI it just plugs (DB-25) into the other connector on the 311. It is literally "Plug-n-Play".

73, rick
VE7TK

10387. Re: [orion565] Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 17:23:54 UTC
From: Barry N1EU
Topic: 1910 Message: 10387

I assume you have the stock subreceiver and not the RX366 (BIG difference).

Assuming it has the 1.8KHz, 500hz and 250hz filters, I'd probably ask $1400 assuming the LCD is good and zero issues. Unfortunately, it seems to be a buyer's market now in Orions. I'd keep it and pull out the 500/250 filters and put an Inrad 762 in the 1000hz filter slot.

Barry N1EU

On Mon, Jan 12, 2015 at 5:17 PM, mcelmer1@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> What is a fair asking price for an Orion 1 with AT, sub receiver and all
> filters?
>
>
>

10388. RE: [orion565] Re: Orion II and Hercules II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 17:33:59 UTC
From: Ralph Matthews
Topic: 10378 Message: 10388

I do have the cable for the interconnect with the Omni 5. I bought it a while back, but didn’t see a receptacle on my Omni 6 plus. I recently moved to a new QTH and it is boxed up somewhere in my garage. Gives me an incentive to get my rear end in gear and find it!

Good information, Rick. Thanks!

73, Ralph, NA6D

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, January 12, 2015 9:21 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Orion II and Hercules II

The "manual" for the 311 is 3 pages and does NOT include a schematic. It is a description of the pin-out for various T-Trigs and the 253 auto tuner. The 311 should come with a cable to plug into the Orion Band Data jack.

If your Hercules has an interface cable for the Omni V or VI it just plugs (DB-25) into the other connector on the 311. It is literally "Plug-n-Play".

73, rick

VE7TK

10389. Re: [orion565] Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 18:22:14 UTC
From: Ronnie Hull
Topic: 1910 Message: 10389

I would ask 17-1800

Sent from Ronnie's IPhone

> On Jan 12, 2015, at 11:17, "mcelmer1@... [orion565]" <orion565@yahoogroups.com> wrote:
>
> What is a fair asking price for an Orion 1 with AT, sub receiver and all filters?
>
>

10390. Re: [orion565] Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 20:59:32 UTC
From: mcelmer1
Topic: 1910 Message: 10390

Ronnie,

That is about what I saw a couple of so months ago. Thought I would ask to see if anything changed.

Mike
W8TRN
----- Original Message -----
From: Ronnie Hull w5sum@... [orion565]
To: orion565@yahoogroups.com
Sent: Monday, January 12, 2015 11:22
Subject: Re: [orion565] Orion 1

I would ask 17-1800

Sent from Ronnie's IPhone

On Jan 12, 2015, at 11:17, "mcelmer1@... [orion565]" <orion565@yahoogroups.com> wrote:

What is a fair asking price for an Orion 1 with AT, sub receiver and all filters?

10391. Re: [orion565] Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 21:48:23 UTC
From: Ronnie Hull
Topic: 1910 Message: 10391

If it's loaded out with filters, has the atu, and especially is it has the rx366 receiver in it you bet it's worth that! I just bought a loaded out one for a spare for $1695!

Ronnie w5sum

Sent from Ronnie's IPhone

> On Jan 12, 2015, at 14:59, "'mcelmer1' mcelmer1@... [orion565]" <orion565@yahoogroups.com> wrote:
>
> □
>
> Ronnie,
>
> That is about what I saw a couple of so months ago. Thought I would ask to see if anything changed.
>
> Mike
> W8TRN
> ----- Original Message -----
> From: Ronnie Hull w5sum@... [orion565]
> To: orion565@yahoogroups.com
> Sent: Monday, January 12, 2015 11:22
> Subject: Re: [orion565] Orion 1
>
>
> I would ask 17-1800
>
> Sent from Ronnie's IPhone
>
>> On Jan 12, 2015, at 11:17, "mcelmer1@... [orion565]" <orion565@yahoogroups.com> wrote:
>>
>>
>> What is a fair asking price for an Orion 1 with AT, sub receiver and all filters?
>>
>
>

10392. Re: [orion565] Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 22:05:24 UTC
From: Barry N1EU
Topic: 1910 Message: 10392

Who said anything about it having an RX366 subreceiver?

Barry N1EU

On Mon, Jan 12, 2015 at 9:48 PM, Ronnie Hull w5sum@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> If it's loaded out with filters, has the atu, and especially is it has the
> rx366 receiver in it you bet it's worth that! I just bought a loaded out
> one for a spare for $1695!
>
> Ronnie w5sum
>
> Sent from Ronnie's IPhone
>
> On Jan 12, 2015, at 14:59, "'mcelmer1' mcelmer1@... [orion565]" <
> orion565@yahoogroups.com> wrote:
>
>
>
>
> □
> Ronnie,
>
> That is about what I saw a couple of so months ago. Thought I would ask to
> see if anything changed.
>
> Mike
> W8TRN
>
> ----- Original Message -----
> *From:* Ronnie Hull w5sum@... [orion565]
> <w5sum@...+[orion565]>
> *To:* orion565@yahoogroups.com
> *Sent:* Monday, January 12, 2015 11:22
> *Subject:* Re: [orion565] Orion 1
>
>
>
> I would ask 17-1800
>
> Sent from Ronnie's IPhone
>
> On Jan 12, 2015, at 11:17, "mcelmer1@... [orion565]" <

> orion565@yahoogroups.com> wrote:
>
>
>
> What is a fair asking price for an Orion 1 with AT, sub receiver and all
> filters?
>
>
>

10393. Re: [orion565] Re: Orion II and Hercules II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-12 23:56:25 UTC
From: Rick W
Topic: 10378 Message: 10393

Yikes --- You're ABSOLUTELY correct Dick.
     Orion >> Herc >> Tuner >> Antenna

That's what happens when I try to answer emails before my 1st cup of coffee in the morning.
 I was in such a hurry to point out that the on-board Orion tuner would not be adequate
that I screwed up the order.
Thanks for note.
73,
Rick
VE7TK

Website: http://www.ve7tk.com
From: dbodine <rbodine@...>
To: ve7tk@...
Sent: Monday, January 12, 2015 3:13 PM
Subject: RE: [orion565] Re: Orion II and Hercules II

Rick,I'm sure I'm missing something, I usually do however, why would the tuner be installed
between the Orion and the amp unless there is a mismatch? Does the Hercules have unique
interfacing? Different amp but mine is Orion>>amp>>tuner>>ant.Thanks for your patience.
 ;)Dick, N0IM

Mangled by Android

-------- Original message --------
From: "ve7tk@... [orion565]" <orion565@yahoogroups.com>
Date: 01/12/2015 11:02 AM (GMT-06:00)
To: orion565@yahoogroups.com
Subject: RE: [orion565] Re: Orion II and Hercules II

  The RF goes:
   Orion >> Tuner >>> Herc. (You'll need a tuner capable of at least 550 watts)
The keying loop on the Herc is labelled KEY IN / KEY OUT.(page 1-3 of the Herc Manual)
73, Rick

10394. Re: [orion565] Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-13 03:33:31 UTC
From: mcelmer1
Topic: 1910 Message: 10394

Ronnie,

That is the ballprak price talked about around the campfire.

Thanks,

Mike
----- Original Message -----
From: Ronnie Hull w5sum@comcast.net [orion565]
To: orion565@yahoogroups.com
Sent: Monday, January 12, 2015 14:48
Subject: Re: [orion565] Orion 1

If it's loaded out with filters, has the atu, and especially is it has the rx366 receiver in it you bet it's worth that! I just bought a loaded out one for a spare for $1695!

Ronnie w5sum

Sent from Ronnie's IPhone

On Jan 12, 2015, at 14:59, "'mcelmer1' mcelmer1@... [orion565]" <orion565@yahoogroups.com> wrote:

☐

Ronnie,

That is about what I saw a couple of so months ago. Thought I would ask to see if anything changed.

Mike
W8TRN
----- Original Message -----
From: Ronnie Hull w5sum@... [orion565]
To: orion565@yahoogroups.com
Sent: Monday, January 12, 2015 11:22
Subject: Re: [orion565] Orion 1

I would ask 17-1800

Sent from Ronnie's IPhone

On Jan 12, 2015, at 11:17, "mcelmer1@... [orion565]" <orion565@yahoogroups.com> wrote:

What is a fair asking price for an Orion 1 with AT, sub receiver and all filters?

10395. Re: Snaphat Battery replacement (Orion I - won't Boot until reset)

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-21 18:17:01 UTC
From: glenn.breaux@...
Topic: 6974 Message: 10395

Would you have a copy of that actual picture, the link is no longer active 73 kd5nvc

10396. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-21 21:17:09 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 10396

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /565 Battery Location Display Board.JPG
Uploaded by : dh7lk <dh7lk@...>
Description : Orion 565 (1) Battery Location Display Board

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/565%20Battery%20Location%20Display%20Board.JPG

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

dh7lk <dh7lk@...>

10397. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-21 21:18:01 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 10397

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /M4T28-BR12SH1 Data Sheet.pdf
Uploaded by : dh7lk <dh7lk@...>
Description : Orion (1) 565 Battery Data Sheet

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/M4T28-BR12SH1%20Data%20Sheet.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

dh7lk <dh7lk@...>

10398. Re: Snaphat Battery replacement (Orion I - won't Boot until reset)

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-21 21:19:29 UTC
From: dh7lk@...
Topic: 6974 Message: 10398

You will find a picture and the data sheet in the file section, let me know if you need further help, 73, Lutz, DH7LK

10399. Re: [orion565] Re: Snaphat Battery replacement (Orion I - won't Boot until reset)

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-21 22:38:01 UTC
From: Barry N1EU
Topic: 6974 Message: 10399

http://www.tentecwiki.org/doku.php?id=565battery

On Wed, Jan 21, 2015 at 4:19 PM, dh7lk@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> You will find a picture and the data sheet in the file section, let me
> know if you need further help, 73, Lutz, DH7LK
>
>

10400. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-22 05:13:18 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 10400

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion 1 Battery Location/2012-03-12 2012-03-12 002 001.jpg
Uploaded by : ko4xj <jd_hudson@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/Orion%201%20Battery%20Location/2012-03-12%202012-03-12%20002%20001.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

ko4xj <jd_hudson@...>

10401. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-22 05:14:30 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 10401

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion 1 Battery Location/2012-03-12 2012-03-12 002 010.jpg
Uploaded by : ko4xj <jd_hudson@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/Orion%201%20Battery%20Location/2012-03-12%202012-03-12%20002%20010.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

ko4xj <jd_hudson@...>

10402. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-22 05:15:20 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 10402

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion 1 Battery Location/2012-03-12 2012-03-12 002 008.jpg
Uploaded by : ko4xj <jd_hudson@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/Orion%201%20Battery%20Location/2012-03-12%202012-03-12%20002%20008.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

ko4xj <jd_hudson@...>

10403. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-22 05:16:03 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 10403

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion 1 Battery Location/2012-03-12 2012-03-12 002 004.jpg
Uploaded by : ko4xj <jd_hudson@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/Orion%201%20Battery%20Location/2012-03-12%202012-03-12%20002%20004.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

ko4xj <jd_hudson@...>

10404. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-22 05:17:02 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 10404

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion 1 Battery Location/2012-03-12 2012-03-12 002 009.jpg
Uploaded by : ko4xj <jd_hudson@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/Orion%201%20Battery%20Location/2012-03-12%202012-03-12%20002%20009.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

ko4xj <jd_hudson@...>

10405. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-22 05:18:13 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 10405

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion 1 Battery Location/2012-03-12 2012-03-12 002 007.jpg
Uploaded by : ko4xj <jd_hudson@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/Orion%201%20Battery%20Location/2012-03-12%202012-03-12%20002%20007.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

ko4xj <jd_hudson@...>

10406. Orion 1 battery pictures

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-22 05:19:23 UTC
From: John Hudson
Topic: 10406 Message: 10406

I uploaded some pictures I took 3 years ago when I replaced my battery, easy and quick

Sorry for the multiple notifications, I could not upload all at the same time

73

John

KO4XJ

10407. RE: [orion565] Orion 1 battery pictures

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-22 05:58:12 UTC
From: John Hudson
Topic: 10406 Message: 10407

Sorry I forgot to include the folder name..

Orion 1 Battery Location

https://groups.yahoo.com/neo/groups/orion565/files/Orion%201%20Battery%20Location/

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Wednesday, January 21, 2015 11:19 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 1 battery pictures

I uploaded some pictures I took 3 years ago when I replaced my battery, easy and quick

Sorry for the multiple notifications, I could not upload all at the same time

73

John

KO4XJ

10408. Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-27 01:03:10 UTC
From: kc2qma@...
Topic: 10408 Message: 10408

Does anyone know if there will be another update for the Orion II, I remember John Hennery talking about a future update for the Orion II but that was over a year ago and since the RF concepts takeover I wonder if this will still happen? One of the things he mentioned that would be fixed was the S-meter action so that it would have a menu option to have the meter follow AGC as well as some other adjustments.
Anyway just thought I would see if anyone had any info.
73/KC2QMA

John

10409. Orion 2 shows only 85 Watts

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-31 03:13:37 UTC
From: Steven Hammond
Topic: 10408 Message: 10409

I just bought a dummy load from DX ENGINEERING to do some testing (still trying to find out where the AM station is getting in on my headphones during transmit). Ok, so I've never really used a dummy load before. I filled the can with the oil, hooked up the cable, and did a few transmission tests. SWR looks good but the power never goes to 100W. Whether CW or FM it just always shows 85W max. I played around with the S METER calibration documentation but all the S units appear to be fine. So, can anyone tell me what I might be doing wrong or if I have a wrong understanding or expectation? :-)

Steven Hammond
KY5M

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

10410. Orion I agc setting infor wanted.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-31 06:20:10 UTC
From: amfone
Topic: 10410 Message: 10410

For normal operating what is the best setting for the Orion using 1.373b5 as the program.
Looking for main receiver age, hang, decay and threshold.
Any help appreciated.
Thanks TimWB8UHZ

10411. Re: Orion I agc setting infor wanted.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-31 06:25:54 UTC
From: amfone20000@...
Topic: 10410 Message: 10411

test fir agc

10412. Re: [orion565] Orion 2 shows only 85 Watts

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-31 09:37:28 UTC
From: Barry N1EU
Topic: 10408 Message: 10412

The s-meter calibration has nothing to do with power out calibration. You need to use an external watt meter and calibrate your Orion meter to match it at max power out. There's an access hole to adjust the meter pot if you remove the top cover - it's at the front center.immediately behind the front panel.

Barry N1EU

On Fri, Jan 30, 2015 at 10:13 PM, Steven Hammond bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I just bought a dummy load from DX ENGINEERING to do some testing (still
> trying to find out where the AM station is getting in on my headphones
> during transmit). Ok, so I've never really used a dummy load before. I
> filled the can with the oil, hooked up the cable, and did a few
> transmission tests. SWR looks good but the power never goes to 100W.
> Whether CW or FM it just always shows 85W max. I played around with the
> S METER calibration documentation but all the S units appear to be
> fine. So, can anyone tell me what I might be doing wrong or if I have a
> wrong understanding or expectation? :-)
>
> Steven Hammond
> KY5M
>
> ---
> This email has been checked for viruses by Avast antivirus software.
> http://www.avast.com
>
>
>

10413. Re: [orion565] Orion I agc setting infor wanted.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-31 09:54:34 UTC
From: Barry N1EU
Topic: 10410 Message: 10413

AGC setup since v1.372 hasn't changed. Set AGC Threshold to 1uV or below for all AGC modes and just leave it there. Turn on the preamp and leave it on.

You should use a fixed AF Gain setting and make your adjustments in normal use with RF Gain. To determine your fixed AF Gain setting, momentarily turn RF Gain to 100 and tune in an s9++ signal and set the AF Gain control so the signal is fairly loud but still comfortable to listen to. Leave the AF Gain right there (always) and back off the RF Gain so that band noise is just audible. Make adjustments to RF Gain as you change bands and for very weak or strong signals.

Use whatever AGC speed, decay or hang you like. Those settings are not crucial. Slow for ssb, fast for cw/am, or whatever. Some folks like a little hang .25-.5 sec and some don't. AGC "OFF" is not really off, it's just very fast.

Is there a specific reason that you are not updating your firmware to something more recent than 10 year old 1.373b5?

73/GL,
Barry N1EU

On Sat, Jan 31, 2015 at 1:20 AM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> For normal operating what is the best setting for the Orion using 1.373b5
> as the program.
>
> Looking for main receiver age, hang, decay and threshold.
>
> Any help appreciated.
>
> Thanks Tim
> WB8UHZ
>
>
>

10414. Re: [orion565] Orion I agc setting infor wanted.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-31 14:37:55 UTC
From: amfone
Topic: 10410 Message: 10414

Barry
Thanks for all the info and have adjusted the hang time to 00.25 and decay to 10 db while threshold is now at 1.00.
No no reason for not upgrading what do you suggest? This is my original Orion purchased about 2003 or so.
TimWB8UHZ

On Saturday, January 31, 2015 4:54 AM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:

AGC setup since v1.372 hasn't changed. Set AGC Threshold to 1uV or below for all AGC modes and just leave it there. Turn on the preamp and leave it on.

You should use a fixed AF Gain setting and make your adjustments in normal use with RF Gain. To determine your fixed AF Gain setting, momentarily turn RF Gain to 100 and tune in an s9++ signal and set the AF Gain control so the signal is fairly loud but still comfortable to listen to. Leave the AF Gain right there (always) and back off the RF Gain so that band noise is just audible. Make adjustments to RF Gain as you change bands and for very weak or strong signals.

Use whatever AGC speed, decay or hang you like. Those settings are not crucial. Slow for ssb, fast for cw/am, or whatever. Some folks like a little hang .25-.5 sec and some don't. AGC "OFF" is not really off, it's just very fast.

Is there a specific reason that you are not updating your firmware to something more recent than 10 year old 1.373b5?

73/GL,
Barry N1EU

On Sat, Jan 31, 2015 at 1:20 AM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

For normal operating what is the best setting for the Orion using 1.373b5 as the program. Looking for main receiver age, hang, decay and threshold.
Any help appreciated.
Thanks TimWB8UHZ

10415. RE: [orion565] Orion I agc setting infor wanted.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-31 14:49:12 UTC
From: Wes Attaway (N5WA)
Topic: 10410 Message: 10415

The later editions of firmware made major improvements to the radio's performance.

You should definitely upgrade to the latest version.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

EnCase Certified Examiner

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Saturday, January 31, 2015 8:38 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion I agc setting infor wanted.

Barry

Thanks for all the info and have adjusted the hang time to 00.25 and decay to 10 db while threshold is now at 1.00.

No no reason for not upgrading what do you suggest? This is my original Orion purchased about 2003 or so.

Tim

WB8UHZ

On Saturday, January 31, 2015 4:54 AM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:

AGC setup since v1.372 hasn't changed. Set AGC Threshold to 1uV or below for all AGC modes and just leave it there. Turn on the preamp and leave it on.

You should use a fixed AF Gain setting and make your adjustments in normal use with RF Gain. To determine your fixed AF Gain setting, momentarily turn RF Gain to 100 and tune in an s9++ signal and set the AF Gain control so the signal is fairly loud but still comfortable to listen to. Leave the AF Gain right there (always) and back off the RF Gain so that band noise is just audible. Make adjustments to RF Gain as you change bands and for very weak

or strong signals.

Use whatever AGC speed, decay or hang you like. Those settings are not crucial. Slow for ssb, fast for cw/am, or whatever. Some folks like a little hang .25-.5 sec and some don't. AGC "OFF" is not really off, it's just very fast.

Is there a specific reason that you are not updating your firmware to something more recent than 10 year old 1.373b5?

73/GL,
Barry N1EU

On Sat, Jan 31, 2015 at 1:20 AM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

For normal operating what is the best setting for the Orion using 1.373b5 as the program.

Looking for main receiver age, hang, decay and threshold.

Any help appreciated.

Thanks Tim

WB8UHZ

10416. Re: [orion565] Orion I agc setting infor wanted.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-31 16:35:46 UTC
From: Barry N1EU
Topic: 10410 Message: 10416

I would say that the latest version 3 firmware is better in all respects than v1.373b5 except for the speech processor. I believe at one point there was no choice but to rewrite the speech processor from scratch and some of the magic was unfortunately lost.

Barry N1EU

On Sat, Jan 31, 2015 at 9:49 AM, 'Wes Attaway (N5WA)' wesattaway@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> The later editions of firmware made major improvements to the radio’s
> performance.
>
>
>
> You should definitely upgrade to the latest version.
>
>
>
> ----------
>
> Wes Attaway (N5WA)
>
> (318) 393-3289 - Shreveport, LA
>
> Computer/Cellphone Forensics
>
> EnCase Certified Examiner
>
> ----------
> ----------
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Saturday, January 31, 2015 8:38 AM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Orion I agc setting infor wanted.
>
>
>
>
>
>
> Barry
>
>

>
> Thanks for all the info and have adjusted the hang time to 00.25 and decay
> to 10 db while threshold is now at 1.00.
>
>
>
> No no reason for not upgrading what do you suggest? This is my original
> Orion purchased about 2003 or so.
>
>
>
> Tim
>
> WB8UHZ
>
>
>
> On Saturday, January 31, 2015 4:54 AM, "Barry N1EU barry.n1eu@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
>
>
>
> AGC setup since v1.372 hasn't changed. Set AGC Threshold to 1uV or below
> for all AGC modes and just leave it there. Turn on the preamp and leave it
> on.
>
> You should use a fixed AF Gain setting and make your adjustments in normal
> use with RF Gain. To determine your fixed AF Gain setting, momentarily
> turn RF Gain to 100 and tune in an s9++ signal and set the AF Gain control
> so the signal is fairly loud but still comfortable to listen to. Leave the
> AF Gain right there (always) and back off the RF Gain so that band noise is
> just audible. Make adjustments to RF Gain as you change bands and for very
> weak or strong signals.
>
> Use whatever AGC speed, decay or hang you like. Those settings are not
> crucial. Slow for ssb, fast for cw/am, or whatever. Some folks like a
> little hang .25-.5 sec and some don't. AGC "OFF" is not really off, it's
> just very fast.
>
> Is there a specific reason that you are not updating your firmware to
> something more recent than 10 year old 1.373b5?
>
>
>
> 73/GL,
> Barry N1EU
>
>

>
> On Sat, Jan 31, 2015 at 1:20 AM, amfone amfone20000@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
>
> For normal operating what is the best setting for the Orion using 1.373b5
> as the program.
>
>
>
> Looking for main receiver age, hang, decay and threshold.
>
>
>
> Any help appreciated.
>
>
>
> Thanks Tim
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> WB8UHZ
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10417. Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-01-31 17:52:33 UTC
From: w5pny@...
Topic: 10408 Message: 10417

I e-mailed John Henry about this about the same time as your post. I have not received a reply. I'm also one of those for whom having the S-Meter tied to the AGC is essential. I'm not optimistic that we will ever see this again, or new releases of firmware for the Orion II. So -- I'm sticking with 3.029. We can always hope.

10418. Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 14:39:51 UTC
From: pa1ap@...
Topic: 10408 Message: 10418

I am just curious; what is missing or broken in the current software? Best regards, Onno pa1ap

10419. Re: [orion565] Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 15:47:01 UTC
From: Mike Schatzberg
Topic: 10408 Message: 10419

Hello Onno,

I just have spent some time comparing the 566 to my TS 590. Both radios have the NR off and about equal parameters for SSB filtering and AGC.

The antenna for both is a 5 element 20 meter monobander with a 45 foot boom.

The 566 is much easier on the ears, lower noise floor, and smoother audio. Neither radio was running a pre amp and conditions are about average or less.

I don't think I am missing anything with 3.029 firmware. The radio has no glitches ever, and with proper processor set up, EQ, AGC, and filtering selections, is working on SSB flawlessly for many years.

While I manage fine with the band scope, a feature which attracted me to the 566 prior to purchase was the future option of a high speed sweep for the band scope. As you remember this feature was supposed to be in development, and was often mentioned as becoming available.

Although somewhat OT here, I would have liked the high speed sweep and supporting firmware to have been developed and available.

I never found the standard second receiver to be lacking performance to be an issue for working pile ups split either. But I would have loved the higher speed sweep.

Where can you find better performance today and at such an affordable price.

I wish there had been some discussion of the next generation, but that does not seem realistic at this point.

73 and Happy DXing,

Mike
W2AJI

Sent from my iPhone

> On Feb 1, 2015, at 9:39 AM, pa1ap@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> I am just curious; what is missing or broken in the current software? Best regards, Onno pa1ap
>
>

10420. Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 16:10:42 UTC
From: kc2qma@...
Topic: 10408 Message: 10420

Actually nothing is broken in fact it’s almost perfect in my opinion. The last thing that was supposed to happen in the next update was to address the S-meter action. The idea was to add a menu option to allow the user to have some additional options for the S-meter action.
For example the menu would have 4 options for the S-meter.
1. Follow AGC this would make the s meter follow the selected AGC rate.
2. Fixed Fast Meter rate.
3. Fixed Medium Meter Rate.
4. Fixed Slow Meter Rate.
If 3.033xd is the last update I would be fine with that because the radio performs awesome otherwise. The meter update would just make the meter easier to read under different conditions.

73/KC2QMA
John

10421. Re: [orion565] Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 16:27:44 UTC
From: Tony
Topic: 10408 Message: 10421

Hi John,?
I am very happy with the way the Orion-II performs. My manual gain is, on average, set at 68 which is just nice to cut back the back ground noise. Actually when I talk to you I could dial it back to 50 and you sound nearly as good ☐as on 2 mtr FM. The only gripe I have is the "Noise Reduction". It sucks but I seldom use it. C U on 14.325 this aft.
73, Tony VE3DWI?

Sent from my BlackBerry 10 smartphone on the Bell network.

From: kc2qma@... [orion565]
Sent: Sunday, February 1, 2015 11:10
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Subject: [orion565] Re: Will there be another software update for the Orion II?

?

Actually nothing is broken in fact it’s almost perfect in my opinion. The last thing that was supposed to happen in the next update was to address the S-meter action. The idea was to add a menu option to allow the user to have some additional options for the S-meter action.

For example the menu would have 4 options for the S-meter.

1. Follow AGC this would make the s meter follow the selected AGC rate.

2. Fixed Fast Meter rate.

3. Fixed Medium Meter Rate.

4. Fixed Slow Meter Rate.

If? 3.033xd is the last update I would be fine with that because the radio performs awesome otherwise. The meter update would just make the meter easier to read under different conditions.

73/KC2QMA
John

10422. Re: [orion565] Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 16:31:30 UTC
From: pa1ap@...
Topic: 10408 Message: 10422

Hi Mike,

Thanks a lot for feedback! Yes indeed the high speed sweep board has been a differentiator to buy 566 instead of 565. I remember I was considering 566 for this reason but due to high import duties I could only afford second hand 565. As far as I know the high speed board has not been continued.

Looking at current sweep implementation it seems the sweep width is broader than what is visualized. If you select a crowded band with large signals (like 40M) you might see the FFT amplitude declining when its busy without the visual sweep area showing large signals.

Hypothetically this means; It seems there are more FFT buckets than what we see within the visual sweep area. Each bucket signal level (including the out of sight buckets) influence the maximum sweep amplitude as shown. This could mean that re-allocating all buckets to the visual sweep area will solve the unexplanable desensing as well improve resolution. At the same time the refresh rate would apply to the visual sweep only and hence appear more accurate. Not expecting high sweep to become available this way but at least the current sweep would work as expected.

Did you notice the sweep desensing too?

Best regards, Onno

10423. Re: [orion565] Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 17:09:07 UTC
From: Mike Schatzberg
Topic: 10408 Message: 10423

Yes Onno,

I have noticed the same performance with the sweep.

Considering that Ten Tec claimed to have the module in development, and now the radio is no longer a production model, maybe they would sell the prototypes they produced to someone interested in producing the high speed sweep.

I think many 566 owners would want this upgrade. And since it would likely require a new processor, perhaps there could be a 565 model also.

I have no plans to trade my 566 for something new. I would buy the high speed upgrade in a heartbeat.

73,

Mike
W2AJI

Sent from my iPhone

> On Feb 1, 2015, at 11:31 AM, pa1ap@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Hi Mike,
>
> Thanks a lot for feedback! Yes indeed the high speed sweep board has been a differentiator to buy 566 instead of 565. I remember I was considering 566 for this reason but due to high import duties I could only afford second hand 565. As far as I know the high speed board has not been continued.
>
> Looking at current sweep implementation it seems the sweep width is broader than what is visualized. If you select a crowded band with large signals (like 40M) you might see the FFT amplitude declining when its busy without the visual sweep area showing large signals.
>
> Hypothetically this means; It seems there are more FFT buckets than what we see within the visual sweep area. Each bucket signal level (including the out of sight buckets) influence the maximum sweep amplitude as shown. This could mean that re-allocating all buckets to the visual sweep area will solve the unexplanable desensing as well improve resolution. At the same time the refresh rate would apply to the visual sweep only and hence appear more accurate. Not expecting high sweep to become available this way but at least the current sweep would work as expected.
>
> Did you notice the sweep desensing too?
>
> Best regards, Onno

>
>

10424. Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 17:17:01 UTC
From: w5pny@...
Topic: 10408 Message: 10424

What is missing is the ability to have the S-Meter follow the AGC instead of following the received RF signal level. It followed the AGC in 3.029. When it operates this way, one has a visual indication of AGC operation and where the AGC is set.
For me this is essential, so I'm sticking with 3.029 until a later firmware offers that option.

10425. Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 17:30:40 UTC
From: kc2qma@...
Topic: 10408 Message: 10425

As for me I would not give up all of the improvements in the latest version just to get the S meter action changed. As long as it’s is accurate and it is that’s all I could really ask for. However it would be nice to have the s meter update done.
KC2QMA/John

10426. Re: [orion565] Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 17:33:57 UTC
From: kc2qma@...
Topic: 10408 Message: 10426

Yes Tony,
I love my OII and when you consider the state of the technology at the time the Orion II was designed I think it still holds up well in 2015. As will all rigs there will always be room for improvement.

73/KC2QMA

10427. RE: [orion565] Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 20:04:38 UTC
From: Torrey MItchell
Topic: 10408 Message: 10427

Regarding high speed sweep and smooth S-meter action, I get that all with an LP-PAN2 panadapter using the NaP3 PC software. Requires you do the 9 MHz IF output jack modification. I like it so much, that I will often choose to use the Orion II instead of the “backup” Kenwood TS-990S rig :)

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, February 1, 2015 10:32
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Will there be another software update for the Orion II?

Hi Mike,

Thanks a lot for feedback! Yes indeed the high speed sweep board has been a differentiator to buy 566 instead of 565. I remember I was considering 566 for this reason but due to high import duties I could only afford second hand 565. As far as I know the high speed board has not been continued.

Looking at current sweep implementation it seems the sweep width is broader than what is visualized. If you select a crowded band with large signals (like 40M) you might see the FFT amplitude declining when its busy without the visual sweep area showing large signals.

Hypothetically this means; It seems there are more FFT buckets than what we see within the visual sweep area. Each bucket signal level (including the out of sight buckets) influence the maximum sweep amplitude as shown. This could mean that re-allocating all buckets to the visual sweep area will solve the unexplanable desensing as well improve resolution. At the same time the refresh rate would apply to the visual sweep only and hence appear more accurate. Not expecting high sweep to become available this way but at least the current sweep would work as expected.

Did you notice the sweep desensing too?

Best regards, Onno

10428. Re: [orion565] Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 21:25:43 UTC
From: Steven Kline
Topic: 10408 Message: 10428

Hi Torrey,

I have both a 565 and 566 Orion. Since you've done this mod. Couple of questions please.

I) Can the mod be done on either the 565 or 566 or just the 565?
2) Will Ten Tec do the mod if you send them the radio?
3) If NO to #2, can you identify the documented procedure and source? I would like to look thru the procedure and determine if I have the capability to perform the mod.

Thanks,
73 - Steve - W5JK

On Feb 1, 2015, at 2:04 PM, 'Torrey MItchell' torreym@... [orion565] <orion565@yahoogroups.com> wrote:

>
> Regarding high speed sweep and smooth S-meter action, I get that all with an LP-PAN2 panadapter using the NaP3 PC software. Requires you do the 9 MHz IF output jack modification. I like it so much, that I will often choose to use the Orion II instead of the "backup" Kenwood TS-990S rig J
>
>
>
> 73 Torrey N9PY
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Sunday, February 1, 2015 10:32
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Re: Will there be another software update for the Orion II?
>
>
>
>
>
>
> Hi Mike,
>
> Thanks a lot for feedback! Yes indeed the high speed sweep board has been a differentiator to buy 566 instead of 565. I remember I was considering 566 for this reason but due to high import duties I could only afford second hand 565. As far as I know the high speed board has not been continued.
>
> Looking at current sweep implementation it seems the sweep width is broader than what is visualized. If you select a crowded band with large signals (like 40M) you might see the FFT amplitude declining when its busy without the visual sweep area showing large signals.

>
> Hypothetically this means; It seems there are more FFT buckets than what we see within the visual sweep area. Each bucket signal level (including the out of sight buckets) influence the maximum sweep amplitude as shown. This could mean that re-allocating all buckets to the visual sweep area will solve the unexplanable desensing as well improve resolution. At the same time the refresh rate would apply to the visual sweep only and hence appear more accurate. Not expecting high sweep to become available this way but at least the current sweep would work as expected.
>
> Did you notice the sweep desensing too?
>
> Best regards, Onno
>
>
>
>

10429. RE: [orion565] Re: Will there be another software update for the Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-01 22:09:31 UTC
From: Torrey MItchell
Topic: 10408 Message: 10429

Answers:

1. Mod can be done on either the Orion I or Orion II. Web site pictures are included for each.

2. TenTec will not do the mod for you. However, they might run a direct IF feed to the spare RCA jack. The mod involves a small $40 preamp. I, like most, mounted the preamp inside the Orion and routed the preamp output to the spare RCA jack. Tentec clearly has refused to mount the preamp inside. It is possible to mount the preamp externally which would require a 12v power source.

3. Info on IF mod here:
http://www.telepostinc.com/Mods/VE7TK-Orion-mod.pdf

Telepost makes the LP-PAN2. N8NP offers loads of support on how to marry these units. Mod seemed scary. However, after ordering the preamp, it just took a couple of hours one afternoon being "very careful".

4. Google "The wideband signal is obtained from the Orion's 9 MHz IF board

using a Clifton Laboratories Z10000 buffer amplifier" for info and how to order.

Good luck,

Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, February 1, 2015 15:26
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Will there be another software update for the Orion II?

Hi Torrey,

I have both a 565 and 566 Orion. Since you've done this mod. Couple of questions please.

I) Can the mod be done on either the 565 or 566 or just the 565?

2) Will Ten Tec do the mod if you send them the radio?

3) If NO to #2, can you identify the documented procedure and source? I would like to look thru the procedure and determine if I have the capability to perform the mod.

Thanks,

73 - Steve - W5JK

On Feb 1, 2015, at 2:04 PM, 'Torrey MItchell' torreym@...
<mailto:torreym@...> [orion565] <orion565@yahoogroups.com
<mailto:orion565@yahoogroups.com> > wrote:

Regarding high speed sweep and smooth S-meter action, I get that all with an LP-PAN2 panadapter using the NaP3 PC software. Requires you do the 9 MHz IF output jack modification. I like it so much, that I will often choose to use the Orion II instead of the "backup" Kenwood TS-990S rig :)

73 Torrey N9PY

From: <mailto:orion565@yahoogroups.com> orion565@yahoogroups.com [
<mailto:orion565@yahoogroups.com> mailto:orion565@yahoogroups.com]
Sent: Sunday, February 1, 2015 10:32
To: <mailto:orion565@yahoogroups.com> orion565@yahoogroups.com
Subject: Re: [orion565] Re: Will there be another software update for the Orion II?

Hi Mike,

Thanks a lot for feedback! Yes indeed the high speed sweep board has been a differentiator to buy 566 instead of 565. I remember I was considering 566 for this reason but due to high import duties I could only afford second hand 565. As far as I know the high speed board has not been continued.

Looking at current sweep implementation it seems the sweep width is broader than what is visualized. If you select a crowded band with large signals (like 40M) you might see the FFT amplitude declining when its busy without the visual sweep area showing large signals.

Hypothetically this means; It seems there are more FFT buckets than what we see within the visual sweep area. Each bucket signal level (including the out of sight buckets) influence the maximum sweep amplitude as shown. This could mean that re-allocating all buckets to the visual sweep area will solve the unexplanable desensing as well improve resolution. At the same time the refresh rate would apply to the visual sweep only and hence appear more accurate. Not expecting high sweep to become available this way but at least the current sweep would work as expected.

Did you notice the sweep desensing too?

Best regards, Onno

10430. AM Radio station heard over speaker during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-07 20:58:19 UTC
From: Steven Hammond
Topic: 10408 Message: 10430

I've contacted TT for help in diagnosing this problem. I bought an Orion II second hand, and it was supposed to have just come back from TT for service, but every time I transmit, I hear WBAP 820AM in my headphones. Yes, I realize it is a powerful AM station probably about 15-20 miles from my location (if that much). But I've never had a problem with it before (Yaesu FT-950/2000). So, I conducted several tests per TT instructions and emailed them the results. I was wondering if some of you might look at the test results to see if there might be an issue. I'm including the email to TT so you can see the reference.

Thanks,
Steven Hammond
KY5M

==========
Ok, sorry to be so late getting back. I had to order some stuff for the test. Here is the setup:

TT Model 963 P/S
Orion II
TT 777 DX PRO
Heil Proset Plus
TT 707 mic
Vibroplex key (for PTT)

There are NO other connection on the back of the Orion save the P/S, antenna (to Ameritron 1.5KW dummy load), key (front panel), mic/headphone jacks (front panel). Currently, the station, P/S, etc are NOT grounded to any ground bus, etc (probably should be, but I need to research more on how to do that - hi).

SETTINGS:
Power 0W (transmitter turned off)
Transmit mode CW, FM, LSB, USB
AGC: SLOW
MIC: 50
H/W Mic Gain: 4.0DB
TX BW: 2700hz
LF Rolloff: 150Hz

TEST 1: TT 777 plugged in to MIC/PH
Note: closing the key (PTT), I can hear WBAP 820AM over the headphones.

TEST 2: TT 777 plugged in to MIC
Note: closing the key (PTT), I can hear WBAP 820AM over the internal speaker.

TEST 3: Nothing plugged in to MIC/PH
Note: closing the key (PTT) and there is no radio station

TEST 4: TT 707 (big chrome mic) plugged in to MIC
Note: closing the key (PTT), no radio station.

TEST 5: TT 707 (big chrome mic) plugged in to MIC, 777 plugged into PH
Note: closing the key (PTT), no radio station.

I notice when there is NO MIC/PH hooked up and I touch the MIC with the finger with PTT closed, it gets a loud HUM sound. The MIC connector actually wiggles left/right quite a bit (but that maybe normal).

I really like my Orion II I bought second hand, and it supposed had just come back from TT for service when I bought from the gentlemen but this radion station (820AM) coming in is really annoying (yes the little filter has been changed out).

So, any ideas what I'm looking at?

Thanks,
Steven Hammond
KY5M

On 12/31/2014 14:31, Paul Clinton wrote:
Dear Steve:

Has to be a broken ground or a ground loop. Use a short piece of coax directly to a dummy load with nothing else connected to the Orion but the microphone and power supply. Be sure there is nothing else connected to the power supply and that the DC cord comes directly from the power supply to the Orion. Let me know if the am station is still there.

73,

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

10431. Re: [orion565] AM Radio station heard over speaker during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-07 23:16:03 UTC
From: catfishtwo@...
Topic: 10408 Message: 10431

how about a broadcast band filter on the coax out of the radio, tom n6ajr

In a message dated 2/7/2015 12:58:18 P.M. Pacific Standard Time,
orion565@yahoogroups.com writes:

I've contacted TT for help in diagnosing this problem. I bought an
Orion II second hand, and it was supposed to have just come back from TT
for service, but every time I transmit, I hear WBAP 820AM in my
headphones. Yes, I realize it is a powerful AM station probably about
15-20 miles from my location (if that much). But I've never had a
problem with it before (Yaesu FT-950/2000). So, I conducted several
tests per TT instructions and emailed them the results. I was wondering
if some of you might look at the test results to see if there might be
an issue. I'm including the email to TT so you can see the reference.

Thanks,
Steven Hammond
KY5M

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Orion II
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TT 707 mic
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There are NO other connection on the back of the Orion save the P/S,
antenna (to Ameritron 1.5KW dummy load), key (front panel),
mic/headphone jacks (front panel). Currently, the station, P/S, etc are
NOT grounded to any ground bus, etc (probably should be, but I need to
research more on how to do that - hi).

SETTINGS:
Power 0W (transmitter turned off)
Transmit mode CW, FM, LSB, USB
AGC: SLOW
MIC: 50
H/W Mic Gain: 4.0DB
TX BW: 2700hz
LF Rolloff: 150Hz

TEST 1: TT 777 plugged in to MIC/PH
Note: closing the key (PTT), I can hear WBAP 820AM over the headphones.

TEST 2: TT 777 plugged in to MIC
Note: closing the key (PTT), I can hear WBAP 820AM over the internal speaker.

TEST 3: Nothing plugged in to MIC/PH
Note: closing the key (PTT) and there is no radio station

TEST 4: TT 707 (big chrome mic) plugged in to MIC
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I notice when there is NO MIC/PH hooked up and I touch the MIC with the finger with PTT closed, it gets a loud HUM sound. The MIC connector actually wiggles left/right quite a bit (but that maybe normal).

I really like my Orion II I bought second hand, and it supposed had just come back from TT for service when I bought from the gentlemen but this radion station (820AM) coming in is really annoying (yes the little filter has been changed out).

So, any ideas what I'm looking at?

Thanks,
Steven Hammond
KY5M

On 12/31/2014 14:31, Paul Clinton wrote:
Dear Steve:

Has to be a broken ground or a ground loop. Use a short piece of coax directly to a dummy load with nothing else connected to the Orion but the microphone and power supply. Be sure there is nothing else connected to the power supply and that the DC cord comes directly from the power supply to the Orion. Let me know if the am station is still there.

73,

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

Yahoo Groups Links

10432. Re: [orion565] AM Radio station heard over speaker during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-07 23:28:49 UTC
From: Steven Hammond
Topic: 10408 Message: 10432

I had thought of that, but I'm leaning towards a problem with the MIC connector. Reason I say that is if I use headsets (TT 777) with its 8 pin connector, I hear the radio station. However, if I plug in the TT 707 (4 pin), then I get NO radio station. Also, applying the slightest pressure to the MIC ring (push to the left) and the radio signal goes away, but I'm unable to transmit as well. This sounds like some kind of connection problem internally. I'm just afraid to crack the case open (hi).

Steven Hammond
KY5M

On 2/7/2015 17:16, catfishtwo@... [orion565] wrote:
>
> how about a broadcast band filter on the coax out of the radio, tom
> n6ajr
> In a message dated 2/7/2015 12:58:18 P.M. Pacific Standard Time,
> orion565@yahoogroups.com writes:
>
> I've contacted TT for help in diagnosing this problem. I bought an
> Orion II second hand, and it was supposed to have just come back
> from TT
> for service, but every time I transmit, I hear WBAP 820AM in my
> headphones. Yes, I realize it is a powerful AM station probably
> about
> 15-20 miles from my location (if that much). But I've never had a
> problem with it before (Yaesu FT-950/2000). So, I conducted several
> tests per TT instructions and emailed them the results. I was
> wondering
> if some of you might look at the test results to see if there
> might be
> an issue. I'm including the email to TT so you can see the reference.
>
> Thanks,
> Steven Hammond
> KY5M
>
> ==
> Ok, sorry to be so late getting back. I had to order some stuff
> for the
> test. Here is the setup:
>
> TT Model 963 P/S
> Orion II
> TT 777 DX PRO
> Heil Proset Plus

> TT 707 mic
> Vibroplex key (for PTT)
>
> There are NO other connection on the back of the Orion save the P/S,
> antenna (to Ameritron 1.5KW dummy load), key (front panel),
> mic/headphone jacks (front panel). Currently, the station, P/S,
> etc are
> NOT grounded to any ground bus, etc (probably should be, but I
> need to
> research more on how to do that - hi).
>
> SETTINGS:
> Power 0W (transmitter turned off)
> Transmit mode CW, FM, LSB, USB
> AGC: SLOW
> MIC: 50
> H/W Mic Gain: 4.0DB
> TX BW: 2700hz
> LF Rolloff: 150Hz
>
> TEST 1: TT 777 plugged in to MIC/PH
> Note: closing the key (PTT), I can hear WBAP 820AM over the
> headphones.
>
> TEST 2: TT 777 plugged in to MIC
> Note: closing the key (PTT), I can hear WBAP 820AM over the internal
> speaker.
>
> TEST 3: Nothing plugged in to MIC/PH
> Note: closing the key (PTT) and there is no radio station
>
> TEST 4: TT 707 (big chrome mic) plugged in to MIC
> Note: closing the key (PTT), no radio station.
>
> TEST 5: TT 707 (big chrome mic) plugged in to MIC, 777 plugged into PH
> Note: closing the key (PTT), no radio station.
>
> I notice when there is NO MIC/PH hooked up and I touch the MIC
> with the
> finger with PTT closed, it gets a loud HUM sound. The MIC connector
> actually wiggles left/right quite a bit (but that maybe normal).
>
> I really like my Orion II I bought second hand, and it supposed
> had just
> come back from TT for service when I bought from the gentlemen but
> this
> radion station (820AM) coming in is really annoying (yes the little
> filter has been changed out).
>
> So, any ideas what I'm looking at?

>
> Thanks,
> Steven Hammond
> KY5M
>
>
> On 12/31/2014 14:31, Paul Clinton wrote:
> Dear Steve:
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> Has to be a broken ground or a ground loop. Use a short piece of coax
> directly to a dummy load with nothing else connected to the Orion but
> the microphone and power supply. Be sure there is nothing else
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> to the power supply and that the DC cord comes directly from the
> power
> supply to the Orion. Let me know if the am station is still there.
>
> 73,
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> ---
> This email has been checked for viruses by Avast antivirus software.
> http://www.avast.com
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> Yahoo Groups Links
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This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

10433. Re: [orion565] AM Radio station heard over speaker during transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-07 23:59:08 UTC
From: pa1ap@...
Topic: 10408 Message: 10433

I suspect the mic wires are not floating inside the shielded cable. Both mic wires should not connect to shield / ground. Use an ohm meter to confirm.. Second, the shield should connect to the mic plug body and obviously shield the mic signal for the whole cable length. If you hear buzzing sounds your mic is likely connected incorrect.

You could also use the (limited) voice memory to record a test message. After that, remove the mic and keep the headphone connected. Push the play button and the voice recorder will start its message. If you dont hear the AM station it is pretty clear the mic cable / connection needs some TLC.

Good luck and hope you can find root cause.

Best regards, Onno pa1ap

10434. Budget external FFT display

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-15 11:58:29 UTC
From: pa1ap@...
Topic: 10434 Message: 10434

Hi,

I am waiting delivery but wanted to share the idea upfront with the group. Perhaps you guys have experience with it already.

I have ordered a very small direct sampling sdr module (http://www.rtl-sdr.com/) which can be modified to direct sampling 0-30Mhz and connects to the computer with USB 2.0. No need for audio cards etc. and it runs at 2.5Msamples/sec.

It is so small it could easily fit inside the orion and tap into (for example) the sub receiver antenna signal. Through the external software the sweep can follow the VFO. I have to check the schematics how this tap can be made.

Second I am investigating raspberry PI 2 model B (which has USB 2 ports) and pack that together with an old navigation display I have available. That could be the external sweep unit. Configure it to boot with the standard FFT software and settings and it should be switch on/off unit.

Since the raspberry has multiple USB ports it could also become my serial port to USB convertor and hence my orion would become usb compatible.

Next couple of weeks will be waiting, designing and writing the appropriate scripts to get this running.

Best regards, Onno pa1ap

10435. Re: [orion565] Budget external FFT display

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-15 12:41:38 UTC
From: Barry N1EU
Topic: 10434 Message: 10435

Interesting idea Onno - which module did you order? The inexpensive ones
that I found only go down to 24MHz.

Another option would be to tap the 9MHz i.f. instead of the subrx antenna.

73, Barry N1EU

On Sun, Feb 15, 2015 at 6:58 AM, pa1ap@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hi,
>
> I am waiting delivery but wanted to share the idea upfront with the group.
> Perhaps you guys have experience with it already.
>
> I have ordered a very small direct sampling sdr module (
> http://www.rtl-sdr.com/) which can be modified to direct sampling 0-30Mhz
> and connects to the computer with USB 2.0. No need for audio cards etc. and
> it runs at 2.5Msamples/sec.
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> It is so small it could easily fit inside the orion and tap into (for
> example) the sub receiver antenna signal. Through the external software the
> sweep can follow the VFO. I have to check the schematics how this tap can
> be made.
>
> Second I am investigating raspberry PI 2 model B (which has USB 2 ports)
> and pack that together with an old navigation display I have available.
> That could be the external sweep unit. Configure it to boot with the
> standard FFT software and settings and it should be switch on/off unit.
>
> Since the raspberry has multiple USB ports it could also become my serial
> port to USB convertor and hence my orion would become usb compatible.
>
> Next couple of weeks will be waiting, designing and writing the
> appropriate scripts to get this running.
>
> Best regards, Onno pa1ap
>
>

10436. Re: [orion565] Budget external FFT display

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-15 13:20:22 UTC
From: Tarniowy
Topic: 10434 Message: 10436

Onno,
One of my idea was to use "cheep" tablet for display.
You can get RTL work with raspberry and then tablet will communicate with raspberry and work as the display.
The advantage of this is that you will have "remote" display (in this case your tablet) and you can move it to any location in your shack with no wires etc.

Onno this is great idea and I believe more people here will be very interested wit it.

Arek
AC2FC

Sent from my iPhone

On Feb 15, 2015, at 6:58 AM, "pa1ap@... [orion565]" <orion565@yahoogroups.com> wrote:

> Hi,
>
> I am waiting delivery but wanted to share the idea upfront with the group. Perhaps you guys have experience with it already.
>
> I have ordered a very small direct sampling sdr module (http://www.rtl-sdr.com/) which can be modified to direct sampling 0-30Mhz and connects to the computer with USB 2.0. No need for audio cards etc. and it runs at 2.5Msamples/sec.
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> It is so small it could easily fit inside the orion and tap into (for example) the sub receiver antenna signal. Through the external software the sweep can follow the VFO. I have to check the schematics how this tap can be made.
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> Second I am investigating raspberry PI 2 model B (which has USB 2 ports) and pack that together with an old navigation display I have available. That could be the external sweep unit. Configure it to boot with the standard FFT software and settings and it should be switch on/off unit.
>
> Since the raspberry has multiple USB ports it could also become my serial port to USB convertor and hence my orion would become usb compatible.
>
> Next couple of weeks will be waiting, designing and writing the appropriate scripts to get this running.
>
> Best regards, Onno pa1ap
>
>

10437. Re: [orion565] Budget external FFT display

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-15 13:28:07 UTC
From: kc2qma@...
Topic: 10434 Message: 10437

You might want to look at this, There will be support for the Ten Tec's soon My Panadapter http://mypanadapter.com/

My Panadapter http://mypanadapter.com/ Panadapter/Band Scope What is a Panadapter? A Panadapter is short for Panoramic Adapter.

View on mypanadapter.com http://mypanadapter.com/
Preview by Yahoo

Usb panadapter with audio interface built in.

73/KC2QMA
John

10438. Re: [orion565] Budget external FFT display

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-15 13:58:57 UTC
From: pa1ap@...
Topic: 10434 Message: 10438

Well actually the R820 chip is taking 0 -30Mhz in 3Mhz segments. The dongle has a down converter which does not go further down than this 24Mhz. The solution is rather simple; disconnect the down convertor and you have an HF direct sampling sdr chip. But in mean time people changed the drivers to disable the down convertor when using HF bands and hence you get a 100Khz - 1.7Ghz sdr receiver. Just hook up a 4:1 balun to pin 4 & 5 to connect the HF signal to.

10439. Re: [orion565] Budget external FFT display

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-15 14:08:48 UTC
From: pa1ap@...
Topic: 10434 Message: 10439

Hi,

Did not now about this but it looks like they plan to do the same! Thanks for the link!

I ordered the complete set for $25 (inc shipment) but in reality you only need the dongle which is $12 incl shipment. Add a transformer and connect to pin 4 & 5 and ready to go.

I would like to make an independent unit. Perhaps combined with raspberry and some display unit. The serial to usb (or ethernet??) conversion is also very cool.

On using IF tap or just complete spectrum; I was thinking about broad sweep mode as first priority. Broad being able to sweep 1Mhz band or something like that. Tapping on the sub receiver rx would allow me to do that and I "just" need to make sure the display follows the vfo. Using the IF tap would limit my sweep range I believe?

I also understood there are limitations (as always).. signal levels are in dB and not dBm to all is relative instead of absolute. Do I really care about that? Not really...

Just thoughts :-)

Best regards, Onno

10440. Encoder Issue

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-23 21:48:57 UTC
From: k1fpv@...
Topic: 10440 Message: 10440

Hi All,

I suspect that I have an encoder issue with my Orion II in that periodically, when I try to key it up in CW mode, it won't key unless I vary the power 1 digit or more. Just was wondering if anyone else has ever had this problem?

I'll probably order a new one from Ten-Tec along with the battery in that my mine has never been changed, so I suspect it is about due!

Just curious as to whether or not anyone else has had this problem!

Bill
K1FPV

10441. Re: [orion565] Encoder Issue

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-23 22:43:40 UTC
From: Barry N1EU
Topic: 10440 Message: 10441

Doesn't necessarily sound like an encoder issue to me. Before doing anything, I would re-flash the firmware followed by a Master Reset to start with a clean slate.

Barry N1EU

On Mon, Feb 23, 2015 at 9:48 PM, k1fpv@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi All,
>
> I suspect that I have an encoder issue with my Orion II in that
> periodically, when I try to key it up in CW mode, it won't key unless I
> vary the power 1 digit or more. Just was wondering if anyone else has ever
> had this problem?
>
> I'll probably order a new one from Ten-Tec along with the battery in that
> my mine has never been changed, so I suspect it is about due!
>
> Just curious as to whether or not anyone else has had this problem!
>
> Bill
> K1FPV
>
>

10442. Re: [orion565] Encoder Issue

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-24 21:58:14 UTC
From: k1fpv@...
Topic: 10440 Message: 10442

Hi Barry,

Well, I guess I hadn't mentioned that I had flashed the firmware and did a master reset. I noticed when I adjusted the volume on my side-tone for CW, it was very noisy...so that is kinda what tipped me off on the encoder issue. I figure, since I'll be removing the front, I might as well change the battery too as it has never been changed on this radio.

I'll most likely call Ten-Tec to order the parts in the next day or two to order the encoder as well as the battery. I've been lucky with this radio. I bought it used with some minor issues which I was able to fix myself. I'm lucky in that I have a full bench with all the test equipment I could want and have always been able to fix my own rigs. The only one I had to send out is the power supply for my Ameritron ALS-1300. MFJ/Ameritron wouldn't furnish me with a schematic, but offered to fix it themselves for free even though the amp is over 2 years old. Seems they don't have schematics, they merely change out the boards as they have changed them to a more reliable supply.

Take care and I'll post how I do when I get the parts and fix the radio.

73,
Bill
K1FPV

10443. Re: [orion565] Budget external FFT display

Yahoo group: orion565 (2014 — 2017)
Date: 2015-02-25 22:28:37 UTC
From: pa1ap@...
Topic: 10434 Message: 10443

Received the small rtl sdr receiver with components yesterday. Connected it to computer to see whats cooking and it seems to work well. With a sweep width of 2.5Mhz this could be a serious pan adapter :-)

Since the module is powered by usb the voltage supply is dirty. With the kit i hope to make some modifications to use external power supply as well some decent filtering / grounding / decoupling.

I am using linux and gnuradio is really fun to work with. Build your own FFT / scope / decoder etc. All using the signals from the rtl sdr chip directly.

More info will follow. Hope the weekend provides a timeslot :-)

Best regards, Onno pa1ap

10444. OT Re: [orion565] Budget external FFT display

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-01 23:57:55 UTC
From: pa1ap@...
Topic: 10434 Message: 10444

Ok i made it off-topic since it is not (yet) connected to the orion.

But the results so far are nice. I now have an SDR direct sampling receiver and listening to AM broadcast stations. Through a 4:1 balun the antenna is directly connected to the sdr chip. The noise line is horizontal and without bends. It is also fun to look at a 2Mhz wide sweep range, pick a station and zoom into the station to see the two sidebands moving up and down. Without additional modifications the noise line is at -81dB and the stations are about 30-40dB above noise. The sdr program I am using (gqrc) only show relative values.

It will be straightforward to include a bandpass filter at 9Mhz (to avoid any ghost signals) and a buffer / amplifier to isolate the Orion IF from the unit. Or find a tap on the (sub) antenna signal to capture a complete band segment.

More to follow. Best regards, Onno pa1ap

10445. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-02 07:05:17 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 10445

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /rtl sdr.pdf
Uploaded by : pa1ap <pa1ap@...>
Description : Budget pan adapter (less than $20) initial findings

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/rtl%20sdr.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

pa1ap <pa1ap@...>

10446. Orion 565 with possible problem on Sub Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-03 12:20:39 UTC
From: fverlezza@...
Topic: 10446 Message: 10446

Dear All.

I'm a happy owner of a 565 with the last software release installed since 1 year.
Since a while I experimented, sometime, not always the following problem:
Sub receiver is going to 9+60db, you hear only a loudly scratches from the loudspeaker or headphones.
It’s doesn’t matter whether antenna is connected or disconnected , or RF value is changed or AGC or other RF setup are changed.
Looks to be a LF problem in the section of subreceiver, at the same time I also experimented some problem with Headphones, sometime not working properly, maybe the two things are connected.
To solve is sufficient to switch off and on some time and problem disappear. Than for days it dosen’t appear again, or it appear after 10 minutes.

2 years ago I already modified the power distribution board (new capacitors), and problem appears also with differents firmaware realase.

Any Idea ????

Filippo

10447. Re: [orion565] Orion 565 with possible problem on Sub Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-03 18:08:45 UTC
From: mcelmer1
Topic: 10446 Message: 10447

Filippo,

I have had a similar problem for years and neither I nor Ten Tec have found a permanent solution. The attenuator does not have any effect on the problem.

Some owners had success removing and cleaning the ribbon cable on the left side of the screen (looking from the front of the display). I tried it and no success.

This is not the answer you desired but if you find a solution please send it to me.

Mike
W8TRN
----- Original Message -----
From: fverlezza@... [orion565]
To: orion565@yahoogroups.com
Sent: Tuesday, March 03, 2015 05:20
Subject: [orion565] Orion 565 with possible problem on Sub Receiver

Dear All.

I'm a happy owner of a 565 with the last software release installed since 1 year.

Since a while I experimented, sometime, not always the following problem:

Sub receiver is going to 9+60db, you hear only a loudly scratches from the loudspeaker or headphones.

It’s doesn’t matter whether antenna is connected or disconnected , or RF value is changed or AGC or other RF setup are changed.

Looks to be a LF problem in the section of subreceiver, at the same time I also experimented some problem with Headphones, sometime not working properly, maybe the two things are connected.

To solve is sufficient to switch off and on some time and problem disappear. Than for days it dosen’t appear again, or it appear after 10 minutes.

2 years ago I already modified the power distribution board (new capacitors), and problem appears also with differents firmaware realase.

Any Idea ????

Filippo

10448. Orion project.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-04 14:17:18 UTC
From: katz.ajamas@...
Topic: 10448 Message: 10448

Aloha!

I'm new on this 565 group. I have an Orion project. Picked it up partially disassembled at a ham fest last fall. It's missing the enclosure, speaker & bracket, filter cover, and who knows what in the small bits area. After putting it back together, it seems to work with the exception of the sub-receiver. What's up with it? No S meter reading and no audio. I really like the main receiver.

I'd like to find an enclosure, or a dead Orion as a donor. Will also consider offers on this one.

73,
-Bob AH7I/W4

10449. RE: [orion565] Orion project.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-04 15:18:27 UTC
From: John Hudson
Topic: 10448 Message: 10449

Have you checked with TT and see if they have any laying around. I know the top is not too expensive

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Wednesday, March 04, 2015 8:17 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion project.

Aloha!

I'm new on this 565 group. I have an Orion project. Picked it up partially disassembled at a ham fest last fall. It's missing the enclosure, speaker & bracket, filter cover, and who knows what in the small bits area. After putting it back together, it seems to work with the exception of the sub-receiver. What's up with it? No S meter reading and no audio. I really like the main receiver.

I'd like to find an enclosure, or a dead Orion as a donor. Will also consider offers on this one.

73,

-Bob AH7I/W4

10450. RE: [orion565] Orion project.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-04 15:39:06 UTC
From: katz.ajamas@...
Topic: 10448 Message: 10450

John-

Thanks. Yes. The first thing I did was call TT :-). They have no enclosure parts nor any unclaimed 565's.
I'd like to get this thing off the bench and either into the shack, or sold. I also explored having an enclosure fabricated. It doesn't make economic sense.

73, Bob ah7i/w4

10451. Re: [orion565] Orion project.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-04 19:42:30 UTC
From: <k3cc@...>
Topic: 10448 Message: 10451

Just a note, would it be possible to rack mount your 565 ORION ???

de Skip K3CC

From: katz.ajamas@... [orion565]
Sent: Wednesday, March 04, 2015 10:39 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Orion project.

John-

Thanks. Yes. The first thing I did was call TT :-). They have no enclosure parts nor any unclaimed 565's.
I'd like to get this thing off the bench and either into the shack, or sold.
I also explored having an enclosure fabricated. It doesn't make economic sense.

73, Bob ah7i/w4

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

10452. RE: [orion565] Orion project.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-04 20:01:37 UTC
From: John Hudson
Topic: 10448 Message: 10452

Well it was a shot in the dark.. someone may have one. If you can find a rack it may be easier to build some rack mount brackets for it. I have some for my Omni VI and Autotuner. Should not be too difficult if you can find a rack

Good luck

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Wednesday, March 04, 2015 9:39 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Orion project.

John-

Thanks. Yes. The first thing I did was call TT :-). They have no enclosure parts nor any unclaimed 565's.

I'd like to get this thing off the bench and either into the shack, or sold. I also explored having an enclosure fabricated. It doesn't make economic sense.

73, Bob ah7i/w4

10453. RE: [orion565] Orion project.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-04 23:49:31 UTC
From: katz.ajamas@...
Topic: 10448 Message: 10453

Rack is a good idea. But, I trying to shrink the shack down a bit and the 565 is already a honker. I'm thinking about trying to swap it for a Argonaut VI. I have a 599. With a little homebrewing, the 539 could make a very good second receiver for use with the 599. It would be fun to take to the park and try some SOTA stuff too.

73, Bob ah7i/w4

10454. RE: [orion565] Orion project.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-05 10:31:26 UTC
From: dalej2@...
Topic: 10448 Message: 10454

Go to Home Depot and get some perforated metal stock, they have it in I believe the hardware section. Then bend up your own cabinet top. I don't have an Orion so I am thinking it's just a bent up type cabinet like on the Drake gear, take some screws out the bottom then slide the top off from the back? You could use some aluminum corner stock to beef up the bends, Home Depot has that too. You could, depending on how handy you are, make up a pretty decent cabinet for it.

The other idea is to make it out of some nice thin wood, it wouldn't eve have to be screwed down. Drill some cooling holes and either paint it or varnish.

Cool you got a good rig for a low price and the fun to reassemble it.

GL
73
Dale, K9VUJ

10455. RE: [orion565] Orion project.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-06 13:49:16 UTC
From: katz.ajamas@...
Topic: 10448 Message: 10455

I've decide to offer it for sale/swap. Too many other projects and the 160m antenna is taking way more time than expected. Also it's a honker size wise. I'd rather have a 539. Offered for $875 including USA shipping and insurance.

73, Bob ah7i/w4

10456. Re: Orion 565 with possible problem on Sub Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-06 18:32:20 UTC
From: Filippo Verlezza
Topic: 10446 Message: 10456

Mike.

I tried, but was not a solution.....
Is your orion conected to PC or can you suspect some external disturb ?

Regards

Filippo

Inviato da iPad

10457. For sale: Ten-Tec Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-09 18:48:34 UTC
From: rusham@...
Topic: 10457 Message: 10457

Selling pristine Ten-Tec Orion 565...

Purchased directly from Ten-Tec, non-smoking environment, like-new physical and electrical condition.

A9 power distribution board and battery replaced Feb. 2012. Includes Ten-Tec Model 709 mic and stand, latest firmware, manual, power cord, no tuner. Ships in original factory carton.

Stock 1000Hz filter replaced with Inrad #762 600Hz filter. Also includes 500Hz and 250Hz filters as well as original 1000Hz filter. Display like new, no issues.

Selling for $1,575.00 shipped to CONUS only, payment by PayPal, must have confirmed address, no PayPal fee. If interested please contact Russ off-list: K3RH (at) ARRL (dot) NET. Photo available.

10458. Re: Orion 565 with possible problem on Sub Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-10 11:30:20 UTC
From: Filippo Verlezza
Topic: 10446 Message: 10458

It's works!!!! Cleaned all internal contacts/cables an subreciver works fine again....

Tnx Mike for the Idea.

Filippo

Inviato da iPad

10459. LP-Pan for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-10 18:41:30 UTC
From: psikes@...
Topic: 10459 Message: 10459

Hello all, I am placing my LP-Pan with the external Clifton Labs amplifier up for sale. It is set up for and worked great with my Orion II but I have moved on to using a Mac mini in the ham shack and there is no software like NaP3 for the Mac. The LP-Pan works as it should and I will include two short jumpers to go from the IF out to the amplifier and from the amp to the LP-Pan. I will include an X-Fi USB sound card that works with it but has limited bandwidth as it will only pass 48 kHz. Asking $250 for everything. Paypal works fine for me but postage will be on the buyer.

Thanks and 73, Phil N7UX

10460. For Sale: TenTec Model 238B High Power Antenna Tuner

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-10 23:43:42 UTC
From: Duane Calvin
Topic: 10460 Message: 10460

For Sale: TenTec 238B High Power Antenna tuner. Condition is "9", with only a few very light scratches in the paint on the bottom of one side. Works well, and is the efficient L-network tuner with switchable Hi-Z/Lo-Z reconfiguration ability. From the TT web site: "The 238 was rated the LOWEST INSERTION LOSS of any high power antenna tuner available by the ARRL Lab in their survey article comparing the Amateur Radio tuner market (QST 2/03)." Includes original owners manual and parts pack. (The currently sold model is the 238C at $819) Photos available on request.

$450 shipped to your lower-48 QTH.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

10461. RE: For Sale: TenTec Model 238B High Power Antenna Tuner

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-11 00:29:36 UTC
From: Duane Calvin
Topic: 10460 Message: 10461

Sold. Thanks for the bandwidth.

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

From: Duane Calvin [mailto:ac5aa1@...]
Sent: Tuesday, March 10, 2015 6:44 PM
To: Discussion of Ten-Tec Equipment (tentec@...);
TenTec@yahoogroups.com; orion565@yahoogroups.com
Subject: For Sale: TenTec Model 238B High Power Antenna Tuner

For Sale: TenTec 238B High Power Antenna tuner. Condition is "9", with only a few very light scratches in the paint on the bottom of one side. Works well, and is the efficient L-network tuner with switchable Hi-Z/Lo-Z reconfiguration ability. From the TT web site: "The 238 was rated the LOWEST INSERTION LOSS of any high power antenna tuner available by the ARRL Lab in their survey article comparing the Amateur Radio tuner market (QST 2/03)." Includes original owners manual and parts pack. (The currently sold model is the 238C at $819) Photos available on request.

$450 shipped to your lower-48 QTH.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

10462. Re: LP-Pan for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-11 15:00:22 UTC
From: psikes@...
Topic: 10459 Message: 10462

Please correct the price to $200. Stupid fingers can't type!

Phil

10463. Orion 565 for sale. Works and needs work.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-11 20:04:38 UTC
From: katz.ajamas@...
Topic: 10463 Message: 10463

Purchased at a hamfest Nov 2014. TenTec does not have any enclosures.
No time to pursue completion or part out.

Sub receiver acts as if it's AGC is full on.
Key stuck in dash mode. Sends dashes when activated.
Transmitter output good.
AM, SSB, 1.8kHz, 1.0kHz filters.

Short video https://www.youtube.com/watch?v=CdV51QJ4nHY
https://www.youtube.com/watch?v=CdV51QJ4nHY

$875 includes USA shipping.
Will consider Argonaut VI swap.

Happy to answer questions by email or phone.
Can make function videos if needed for a decision.

73, Bob ah7i/w4

10464. Re: Orion 565 for sale. Works and needs work.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-16 17:26:51 UTC
From: katz.ajamas@...
Topic: 10463 Message: 10464

No takers.

I did a little examination this AM. The "snaphat" battery has a 9/28 date code. Unclear if 1999 or 2009? A replacement is on my Mouser order. The A9 board is an original rev A. The caps look fine, no bulging. ESR is too low to measure with my home brew ESR meter. So, they are likely still good. However, because my 1980's gear is eating caps like popcorn and I have a Mouser order going in, the high voltage OR high current ones will be replaced.

The stuck keyer? No clue. I'll trace back to the CPU and see where it goes bad.

The base model sub-receiver. It's actually working fine as evidenced by the 22kHz signal. That puts the problem somewhere between there and the speaker :-)

I'm back to looking for top and bottom covers.

73, Bob ah7i/w4

10465. Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-17 06:53:12 UTC
From: brubbleegg@...
Topic: 10465 Message: 10465

Hi!

My Orion Main Reciever is very sensitive to my QRP neighbour 500 meters away. He is making interference and desensing all over the band with his only 5 watt KX3. The sub reciever is much better, with no problem at all. I have tried to change the roofing filter settings (even down to 1 khz on SSB), used the ATT - 18dB, and switched off the preamp, but the problem remains. (It' worse on the upper side of his TX frequence using LSB)

The sensivity on main reciever and sub seems to be the same on weak stations.

We have done some testing with my Eagle and his KX3, and then there are no problem at all.

Any suggestions?

(The radio is bought in des 2012)

de LB1KG

10466. Re: [orion565] Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-17 09:13:22 UTC
From: Barry N1EU
Topic: 10465 Message: 10466

Orion 565 or Orion II 566? What is your best estimate of the true s-meter reading/signal strength at your antenna terminals? Does it happen on CW or only SSB?

Barry N1EU

On Tue, Mar 17, 2015 at 6:53 AM, brubbleegg@...m [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi!
>
>
>
> My Orion Main Reciever is very sensitive to my QRP neighbour 500 meters
> away. He is making interference and desensing all over the band with his
> only 5 watt KX3. The sub reciever is much better, with no problem at all. I
> have tried to change the roofing filter settings (even down to 1 khz on
> SSB), used the ATT - 18dB, and switched off the preamp, but the problem
> remains. (It' worse on the upper side of his TX frequence using LSB)
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> The sensivity on main reciever and sub seems to be the same on weak
> stations.
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> We have done some testing with my Eagle and his KX3, and then there are no
> problem at all.
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>
> Any suggestions?
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> (The radio is bought in des 2012)
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>
> de LB1KG
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10467. Re: [orion565] Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-17 09:26:14 UTC
From: Barry N1EU
Topic: 10465 Message: 10467

A wild guess is that the hardware AGC (HAGC) is triggering and causing the desensing. It may or may not be normal behavior, depending on his signal strength. If you have test equipment, you may want to align the IF Gain and AGC pot on the IF Converter board.

Barry N1EU

On Tue, Mar 17, 2015 at 9:13 AM, Barry N1EU <barry.n1eu@...> wrote:

> Orion 565 or Orion II 566? What is your best estimate of the true s-meter
> reading/signal strength at your antenna terminals? Does it happen on CW or
> only SSB?
>
> Barry N1EU
>
> On Tue, Mar 17, 2015 at 6:53 AM, brubbleegg@... [orion565] <
> orion565@yahoogroups.com> wrote:
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>>
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>> Hi!
>>
>>
>>
>> My Orion Main Reciever is very sensitive to my QRP neighbour 500 meters
>> away. He is making interference and desensing all over the band with his
>> only 5 watt KX3. The sub reciever is much better, with no problem at all. I
>> have tried to change the roofing filter settings (even down to 1 khz on
>> SSB), used the ATT - 18dB, and switched off the preamp, but the problem
>> remains. (It' worse on the upper side of his TX frequence using LSB)
>>
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>> The sensivity on main reciever and sub seems to be the same on weak
>> stations.
>>
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>>
>> We have done some testing with my Eagle and his KX3, and then there are
>> no problem at all.
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>> Any suggestions?
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>>
>> (The radio is bought in des 2012)
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>> de LB1KG
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10468. Re: Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-19 17:05:37 UTC
From: pa1ap@...
Topic: 10465 Message: 10468

Hi,

Can you explain / share a little more information with us?

For example;

Which frequency for Orion RX and with frequency for the neighbor TX? Confirm another receiver connecting to same antenna as Orion does not suffer (taking reference point 1) What does the Orion S meter display? What is the signal strength measured? Has this problem always be there or did it start recently? If so, any clues on changes made recently? If the neighbor transmits with different radio, does the problem also occur? Can you share more details on what desensing means for you? This is a new finding for me and I am very curious what the root cause could be. Please share and we will think with you for a possible solution.

Best regards, Onno pa1ap

10469. Re: [orion565] Re: Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-19 17:31:46 UTC
From: Barry N1EU
Topic: 10465 Message: 10469

I asked several of the same questions two days ago but the original poster hasn't responded. Something just doesn't add up.

When he said "desensing", I thought of the hardware/analog AGC in the Orion main rx that prevents ADC overload on very strong signals (>s9+20dB). But when the neighbor is transmitting up the band, there's no reason for that sort of signal strength to be getting through the Orion 9MHz and 455KHz filters to the hardware/analog AGC detection circuitry and triggering hardware/analog AGC action.

It would be easy to test for this desensing with a signal generator fed into the Orion antenna terminals.

73, Barry N1EU

On Thu, Mar 19, 2015 at 1:05 PM, pa1ap@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi,
>
> Can you explain / share a little more information with us?
>
> For example;
>
>
> 1. Which frequency for Orion RX and with frequency for the neighbor TX?
> 2. Confirm another receiver connecting to same antenna as Orion does
> not suffer (taking reference point 1)
> 3. What does the Orion S meter display? What is the signal strength
> measured?
> 4. Has this problem always be there or did it start recently? If so,
> any clues on changes made recently?
> 5. If the neighbor transmits with different radio, does the problem
> also occur?
> 6. Can you share more details on what desensing means for you?
>
> This is a new finding for me and I am very curious what the root cause
> could be. Please share and we will think with you for a possible solution.
>
>
> Best regards, Onno pa1ap
>
>
>

>

10470. RE: [orion565] Re: Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-19 18:53:14 UTC
From: Duane Calvin
Topic: 10465 Message: 10470

Also, whether the HW Noise Blanker is on or off.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, March 19, 2015 12:06 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion Main Reciever with interference problem

Hi,

Can you explain / share a little more information with us?

For example;

1. Which frequency for Orion RX and with frequency for the neighbor TX?
2. Confirm another receiver connecting to same antenna as Orion does not suffer (taking reference point 1)
3. What does the Orion S meter display? What is the signal strength measured?
4. Has this problem always be there or did it start recently? If so, any clues on changes made recently?
5. If the neighbor transmits with different radio, does the problem also occur?
6. Can you share more details on what desensing means for you?

This is a new finding for me and I am very curious what the root cause could be. Please share and we will think with you for a possible solution.

Best regards, Onno pa1ap

10471. Re: [orion565] Re: Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-19 20:27:10 UTC
From: Barry N1EU
Topic: 10465 Message: 10471

Good point Duane!

On Thu, Mar 19, 2015 at 6:53 PM, 'Duane Calvin' ac5aa1@gmail.com [orion565]
<orion565@yahoogroups.com> wrote:

>
>
> Also, whether the HW Noise Blanker is on or off.
>
>
>
> 73, Duane
>
>
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
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>
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Thursday, March 19, 2015 12:06 PM
> *To:* orion565@yahoogroups.com
> *Subject:* [orion565] Re: Orion Main Reciever with interference problem
>
>
>
>
>
> Hi,
>
> Can you explain / share a little more information with us?
>
> For example;
>
> 1. Which frequency for Orion RX and with frequency for the neighbor TX?
> 2. Confirm another receiver connecting to same antenna as Orion does
> not suffer (taking reference point 1)
> 3. What does the Orion S meter display? What is the signal strength
> measured?

> 4. Has this problem always be there or did it start recently? If so,
> any clues on changes made recently?
> 5. If the neighbor transmits with different radio, does the problem
> also occur?
> 6. Can you share more details on what desensing means for you?
>
> This is a new finding for me and I am very curious what the root cause
> could be. Please share and we will think with you for a possible solution.
>
>
>
> Best regards, Onno pa1ap
>
>
>
>
>
>
>
>

10472. Re: Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-20 23:52:17 UTC
From: brubbleegg@...
Topic: 10465 Message: 10472

Hi, and tnx fer answer. I'll try to post a video of this to explain it better. Maybe desensing is wrong term, but the scope goes all the way down, like there is no signal. Its the same for all modes, and settings for preamp, rf gain and att. I have just discovered this problem now because we joined the same contest, and don't know if it has been there all the time. I tought that the main reciever should have much better big-signal handling than the sub reciever but on my orion II it is oposite.
Also, it's the same problem If my neighbor uses a different radio. His signal is 9 +40 when I listen to his tx freq, and his interference goes aprox 150 khz upwards.

Regards

Haavid/ lb1kg

10473. Re: Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-21 11:53:46 UTC
From: pa1ap@...
Topic: 10465 Message: 10473

Hi Haavid,

Thanks for the reply and information. It is really weird that main performs worse than sub.

A couple of suggestions;

press audio, select spkr and set spkr to main only (instead of default both)... do you have desensing on the audio / received signal? it is not correct to assume the sweep display is based on main receiver. It is not. The sweep display is a separate module and does not have the same peformance as main receiver. The sweep display does suffer from strong signals and well indeed "mute" when there are string signals around the sweep frequency if you look at the VFO A / B assignment matrix on the left of your screen; The middle row is about assigning a VFO to the main receiver and the bottom row is about assigning a VFO to sub receiver. By default the middle row should indicate VFOA (main) and bottom row should indicate VFOB (sub). other thought would be around the roofing filters. Press menu, select filters.. what are the settings? From physical point of view, which filters did you install?

Best regards,

Onno pa1ap

10474. Re: Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-21 12:00:39 UTC
From: pa1ap@...
Topic: 10465 Message: 10474

Hi Haavid,

If you are reporting that the sweep display suffers from "desensing" than have a look at the youtube video i made long time ago. The sweep display has its own "receiver" and works independent from main or sub receiver and indeed does not take into account preamp or attenuator.

Is this part of what you are seeing?

Best regards, Onno

Fft desense https://youtu.be/nEMdmmik_Hw

https://youtu.be/nEMdmmik_Hw

Fft desense https://youtu.be/nEMdmmik_Hw Deze video is ge?pload vanaf een Android-telefoon.

View on youtu.be https://youtu.be/nEMdmmik_Hw
Preview by Yahoo

10475. Element for 708a mic

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-21 13:50:43 UTC
From: ki4ps@...
Topic: 10475 Message: 10475

Looking for a replacement element for my broken 708a mic.

Jerry
ki4ps-1@charter.net

10476. working with PWR/SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-22 03:31:42 UTC
From: Steven Hammond
Topic: 10475 Message: 10476

Okay, my Orion II never shows more the 80W output on the meter when cranked to 100W (no matter what the band is). So I bought a MFG-880 for reference (please no remarks about MFJ). On the X10 scale (0-200W) it shows output to be about 111W (20M band for example) and about 9W reflected (needle falls between 1.8 and 1.5 on the meter). However the rig is show 80W out at 2.9:1 SWR. The antenna is an OCFD (buckmaster 7 band 3KW version) and requires no tuner for 7 bands (80,40,20,17,12,10, and 6).

I'm confused between the various ratings between the rig and the meter. I'm looking at buy a RigExpert analyzer in the near future, but another MFJ anaylzer seemed closer to the MFG meter than the rig.

I guess I'm trying to ask in a round about way, if the Orion II meter for PWR is off, will that also skey the SWR readout on the rig as well? Thanks.

Steven Hammond
KY5M

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10477. Re: [orion565] working with PWR/SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-22 13:53:55 UTC
From: Tony
Topic: 10475 Message: 10477

Steven,
In order to truly see the output of the Orion-II, you should connect a 50 Ohm dummy load to the rig. An OCFD antenna does not present a true 50 Ohm load. Does your O-II have a build in tuner□?
73, Tony VE3DWI.

Sent?from?my?BlackBerry?10?smartphone?on?the?Bell?network.

From: Steven Hammond bcf1689@... [orion565]
Sent: Saturday, March 21, 2015 23:31
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Subject: [orion565] working with PWR/SWR

?

Okay, my Orion II never shows more the 80W output on the meter when cranked to 100W (no matter what the band is). So I bought a MFG-880 for reference (please no remarks about MFJ). On the X10 scale (0-200W) it shows output to be about 111W (20M band for example) and about 9W reflected (needle falls between 1.8 and 1.5 on the meter). However the rig is show 80W out at 2.9:1 SWR. The antenna is an OCFD (buckmaster 7 band 3KW version) and requires no tuner for 7 bands (80,40,20,17,12,10, and 6).

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Steven Hammond
KY5M

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10478. Re: [orion565] working with PWR/SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-22 14:07:30 UTC
From: Steven Hammond
Topic: 10475 Message: 10478

Already did that. I have one of those big oil cans. 1.0:1 on all
bands. Power on Orion II still shows 80W and external meter shows ~110W.

Steven Hammond
KY5M

On 3/22/2015 08:53, Tony va3dwi@... [orion565] wrote:
>
> Steven,
> In order to truly see the output of the Orion-II, you should connect a
> 50 Ohm dummy load to the rig. An OCFD antenna does not present a true
> 50 Ohm load. Does your O-II have a build in tuner□?
> 73, Tony VE3DWI.
>
> Sent from my BlackBerry 10 smartphone on the Bell network.
> *From: *Steven Hammond bcf1689@... [orion565]
> *Sent: *Saturday, March 21, 2015 23:31
> *To: *orion565@yahoogroups.com
> *Reply To: *orion565@yahoogroups.com
> *Subject: *[orion565] working with PWR/SWR
>
>
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> cranked to 100W (no matter what the band is). So I bought a MFG-880 for
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> reflected (needle falls between 1.8 and 1.5 on the meter). However the
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> band 3KW version) and requires no tuner for 7 bands (80,40,20,17,12,10,
> and 6).
>
> I'm confused between the various ratings between the rig and the meter.
> I'm looking at buy a RigExpert analyzer in the near future, but another
> MFJ anaylzer seemed closer to the MFG meter than the rig.
>
> I guess I'm trying to ask in a round about way, if the Orion II meter
> for PWR is off, will that also skey the SWR readout on the rig as well?
> Thanks.
>
> Steven Hammond
> KY5M
>
> ---
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10479. Re: Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-22 15:42:14 UTC
From: ve7tk@...
Topic: 10465 Message: 10479

I've been watching this thread with interest.

I was wondering if perhaps one of the inter-board RG-174 coax cables is loose? If one of them was loose and the shield was making a poor connection you might encounter this problem.

I'd suggest you pull the various connectors one at a time and CAREFULLY re-plug them into the appropriate on-board connector.

It might just work.

Good luck.

73, Rick
VE7TK

10480. RE: [orion565] working with PWR/SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-22 16:11:12 UTC
From: Duane Calvin
Topic: 10475 Message: 10480

Is that “forward Watts”, “forward minus reflected” Watts, average watts, peak watts, and go both meters calculate the same way? I have 3 power/swr bridges in line counting the one in the rig and they all disagree. (on both power and SWR!)

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, March 22, 2015 9:08 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] working with PWR/SWR

Already did that. I have one of those big oil cans. 1.0:1 on all bands. Power on Orion II still shows 80W and external meter shows ~110W.

Steven Hammond
KY5M

On 3/22/2015 08:53, Tony va3dwi@gmail.com [orion565] wrote:

Steven,

In order to truly see the output of the Orion-II, you should connect a 50 Ohm dummy load to the rig. An OCFD antenna does not present a true 50 Ohm load. Does your O-II have a build in tuner□?

73, Tony VE3DWI.

Sent from my BlackBerry 10 smartphone on the Bell network.

From: Steven Hammond bcf1689@... [orion565]

Sent: Saturday, March 21, 2015 23:31

To: orion565@yahoogroups.com

Reply To: orion565@yahoogroups.com

Subject: [orion565] working with PWR/SWR

Okay, my Orion II never shows more the 80W output on the meter when cranked to 100W (no matter what the band is). So I bought a MFG-880 for reference (please no remarks about MFJ). On the X10 scale (0-200W) it shows output to be about 111W (20M band for example) and about 9W reflected (needle falls between 1.8 and 1.5 on the meter). However the

rig is show 80W out at 2.9:1 SWR. The antenna is an OCFD (buckmaster 7 band 3KW version) and requires no tuner for 7 bands (80,40,20,17,12,10, and 6).

I'm confused between the various ratings between the rig and the meter. I'm looking at buy a RigExpert analyzer in the near future, but another MFJ anaylzer seemed closer to the MFG meter than the rig.

I guess I'm trying to ask in a round about way, if the Orion II meter for PWR is off, will that also skey the SWR readout on the rig as well? Thanks.

Steven Hammond
KY5M

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[Non-text portions of this message have been removed]

10481. Re: [orion565] Re: Orion Main Reciever with interference problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-22 16:55:12 UTC
From: Barry N1EU
Topic: 10465 Message: 10481

I'm waiting to see the video. I think we're just making blind guesses with too many variables undefined.

Barry N1EU

On Sun, Mar 22, 2015 at 3:42 PM, ve7tk@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I've been watching this thread with interest.
>
> I was wondering if perhaps one of the inter-board RG-174 coax cables is
> loose? If one of them was loose and the shield was making a poor
> connection you might encounter this problem.
>
> I'd suggest you pull the various connectors one at a time and CAREFULLY
> re-plug them into the appropriate on-board connector.
>
> It might just work.
>
> Good luck.
>
> 73, Rick
> VE7TK
>
>
>

10482. RE: [orion565] working with PWR/SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-22 19:21:10 UTC
From: Andrew B Steen
Topic: 10475 Message: 10482

Hi Steve.

My Orion II shows 100 watts on the meter, 94.7 through the LP-100A, 91 watts on the Palstar Auto tuner, and 100 watts on the Palstar Dummy load. I can only assume that the tuner and LP-100A are showing forward power only, and not that affected by SWR (1.25:1) according to the LP-100A. There is an adjustment in the Orion to change that reading.

I assume this is done in CW mode key down?

Andrew K6STN

From: orion565@...m [mailto:orion565@yahoogroups.com]
Sent: Saturday, March 21, 2015 8:32 PM
To: orion565@yahoogroups.com
Subject: [orion565] working with PWR/SWR

Okay, my Orion II never shows more the 80W output on the meter when cranked to 100W (no matter what the band is). So I bought a MFG-880 for reference (please no remarks about MFJ). On the X10 scale (0-200W) it shows output to be about 111W (20M band for example) and about 9W reflected (needle falls between 1.8 and 1.5 on the meter). However the rig is show 80W out at 2.9:1 SWR. The antenna is an OCFD (buckmaster 7 band 3KW version) and requires no tuner for 7 bands (80,40,20,17,12,10, and 6).

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Steven Hammond
KY5M

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10483. Re: [orion565] working with PWR/SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-22 19:42:40 UTC
From: Steven Hammond
Topic: 10475 Message: 10483

My Orion II has never shown more than 80W. I'm assuming the O2 meter is showing FORWARD WATTS ONLY. My inline MFJ-880 shows BOTH Forward and Reflected (dual needles) with the SWR calculation below the REFLECTED WATTS. The readings are same regardless of mode (LCW, FSK, FM). I should say, it is about 85W (had to get my bifocals in on the Orion meter - hi). It's the same forward watts whether I'm using the dummy load or OCFD (of course the SWR is 1.0:1 on the dummy load).

I'm not wanting or expecting a perfect reading, just a close reading for QRP work and such. I noticed the discrepancies while trying to figure out why my OCFD has high SWR in the 40M band when it should be 2.0:1 or less for the whole band. The rain lately seems to really skew the SWR #'s. I had just replaced the coax with LMR400 from DX Engineering and noticed the #'s were quite right. I've never had trouble with high SWR's (except when the dog chews up the coax - hi). But the OCFD is only up about 15' on a push up pole so it is NOT ideal by any stretch of the imagination.

I guess I just expected the O2 meter to actually show 100W when I set it to 100W. :-)

What is the adjustment you spoke of?

Steven Hammond
KY5M

On 3/22/2015 14:21, 'Andrew B Steen' n2gff@... [orion565] wrote:
>
> Hi Steve.
>
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> watts on the Palstar Auto tuner, and 100 watts on the Palstar Dummy
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> forward power only, and not that affected by SWR (1.25:1) according to
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>
> I assume this is done in CW mode key down?
>
> Andrew K6STN
>
> *From:*orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Saturday, March 21, 2015 8:32 PM
> *To:* orion565@yahoogroups.com
> *Subject:* [orion565] working with PWR/SWR
>
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> KY5M
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10484. Re: [orion565] working with PWR/SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-22 20:36:18 UTC
From: Tony Lelieveld
Topic: 10475 Message: 10484

Steven,

I believe the Orion-II meter does not indicate power but percentage of power. So it could very well be that it needs a careful evaluation and adjustment.
73, Tony VE3DWI.

----- Original Message -----
From: Steven Hammond bcf1689@... [orion565]
To: orion565@yahoogroups.com
Sent: Sunday, March 22, 2015 3:42 PM
Subject: Re: [orion565] working with PWR/SWR

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Sent: Saturday, March 21, 2015 8:32 PM
To: orion565@yahoogroups.com
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Steven Hammond
KY5M

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10485. RE: [orion565] working with PWR/SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-22 22:48:58 UTC
From: Andrew B Steen
Topic: 10475 Message: 10485

Steve.

I’m racking my brain to remember where I saw the adjustment. I think it was on this reflector. Perhaps someone listening can help refresh my memory. If not, a call to Stan at TenTec would be worthwhile.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, March 22, 2015 12:43 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] working with PWR/SWR

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Steven Hammond
KY5M

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10486. RE: [orion565] working with PWR/SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-24 23:59:31 UTC
From: saukp@...
Topic: 10475 Message: 10486

this maybe what you are looking for

alc and power adjustment

http://www.ad4c.us/Tentec%20HF%20manuals_/Orion%20II/optimizing%20RF%20out%20and%20speech%20proc.pdf http://www.ad4c.us/Tentec%20HF%20manuals_/Orion%20II/optimizing%20RF%20out%20and%20speech%20proc.pdf

i made this adjustment when i was getting erratic power fluctuations
this quickly solve my issue

Paul K3SF

10487. Re: [orion565] working with PWR/SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-25 00:17:49 UTC
From: Tarniowy
Topic: 10475 Message: 10487

Is the any procedure to adjust REF and IC pot that is located on IF converter board?

Arek
AC2FC

On Mar 24, 2015, at 7:59 PM, "saukp@... [orion565]" <orion565@yahoogroups.com> wrote:

> this maybe what you are looking for
>
> alc and power adjustment
>
> http://www.ad4c.us/Tentec%20HF%20manuals_/Orion%20II/optimizing%20RF%20out%20and%20speech%20proc.pdf
>
>
> i made this adjustment when i was getting erratic power fluctuations
> this quickly solve my issue
>
> Paul K3SF
>
>

10488. Re: [orion565] working with PWR/SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-25 00:43:28 UTC
From: Mike Schatzberg
Topic: 10475 Message: 10488

This page is from my website, however whoever copied it added the wrong call sign to the title.

73,

Mike
W2AJI
Owner Orion 565/566 Reflector

Sent from my iPhone

> On Mar 24, 2015, at 5:59 PM, saukp@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> this maybe what you are looking for
>
> alc and power adjustment
>
> http://www.ad4c.us/Tentec%20HF%20manuals_/Orion%20II/optimizing%20RF%20out%20and%20speech%20proc.pdf
>
>
> i made this adjustment when i was getting erratic power fluctuations
> this quickly solve my issue
>
> Paul K3SF
>
>

10489. Anyone else have a late production Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-26 09:09:15 UTC
From: Barry N1EU
Topic: 10489 Message: 10489

If anyone else out there has a late production Orion II with the 6 all-black knobs (shoulders are black not chrome), please drop me a private e-mail. I'd like to compare notes.

Thanks & 73,
Barry N1EU

10490. Re: [orion565] Anyone else have a late production Orion II?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-26 09:22:35 UTC
From: Jerry Rogers
Topic: 10489 Message: 10490

Barry: My Orion II is a 2010 model with all black knobs.

Jerry
ki4ps

> On Mar 26, 2015, at 5:09 AM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> If anyone else out there has a late production Orion II with the 6 all-black knobs (shoulders are black not chrome), please drop me a private e-mail. I'd like to compare notes.
>
> Thanks & 73,
> Barry N1EU
>
>

10491. Orion II - EQ Plus and W2IHY 8 band EQ with Heil PR 40

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-26 14:14:33 UTC
From: glenn.breaux@...
Topic: 10491 Message: 10491

Having the above setup I have used a number of settings with good and bad results depending on what is applied.
I would like to know what settings anyone else is using who may have this or similar setup.

73,
GB kd5nvc

10492. Software Updates

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 17:22:31 UTC
From: Ralph Matthews
Topic: 10492 Message: 10492

Hello to all. I have had an Orion 2 for about 5 years, and really enjoy the rig. It looks as if the current version on the unit is 2.10, dating back a few years.

To date, I have not felt the need to load more recent versions, but one thing in particular caught my attention, the SAP feature, contained in subsequent releases. I have had external devices that peak the CW signal, and it did come in handy in certain situations.

I have a couple of questions:

1. Is the upgrade to get the SAP really worth it?

2. I have read on the reflector there are bugs with new releases. Are these bugs corrected by Ten Tec as they are discovered? I have always been of the mind that "if it ain't broke, don't fix it."

Just trying to gather some information before I dare upgrade, with the chance that I would screw things up.

Any information or comments are greatly appreciated!

73, Ralph, NA6D

10493. Re: [orion565] Software Updates

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 17:33:03 UTC
From: K Van Horn
Topic: 10492 Message: 10493

Ralph,
1. yes
2. relatively minor bugs but some excellent fixes such as the agc fix that greatly improved the NR!

73,kirby,k7ec 566 beta testor

From: 'Ralph Matthews' rondo47@... [orion565]
Sent: Friday, 27 March, 2015 11:22
To: orion565@yahoogroups.com
Cc: Ralph At Home
Subject: [orion565] Software Updates

Hello to all. I have had an Orion 2 for about 5 years, and really enjoy the rig. It looks as if the current version on the unit is 2.10, dating back a few years.

To date, I have not felt the need to load more recent versions, but one thing in particular caught my attention, the SAP feature, contained in subsequent releases. I have had external devices that peak the CW signal, and it did come in handy in certain situations.

I have a couple of questions:

1. Is the upgrade to get the SAP really worth it?

2. I have read on the reflector there are bugs with new releases. Are these bugs corrected by Ten Tec as they are discovered? I have always been of the mind that “if it ain’t broke, don’t fix it.”

Just trying to gather some information before I dare upgrade, with the chance that I would screw things up.

Any information or comments are greatly appreciated!

73, Ralph, NA6D

10494. Re: [orion565] Software Updates

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 17:39:21 UTC
From: Paul K.
Topic: 10492 Message: 10494

Paul K. WA0BAG
On 3/27/2015 1:22 PM, 'Ralph Matthews' rondo47@... [orion565]
wrote:
>
> *Hello to all. I have had an Orion 2 for about 5 years, and really
> enjoy the rig. It looks as if the current version on the unit is 2.10,
> dating back a few years. *
>
> **
>
> *To date, I have not felt the need to load more recent versions, but
> one thing in particular caught my attention, the SAP feature,
> contained in subsequent releases. I have had external devices that
> peak the CW signal, and it did come in handy in certain situations.*
>
> **
>
> *I have a couple of questions:*
>
> **
>
> *1.**Is the upgrade to get the SAP really worth it? Yes!*
>
> *2.**I have read on the reflector there are bugs with new releases.
> Hog Wash! That's the idea of upgrades. Fix the bugs, and make new
> ones. Are these bugs corrected by Ten Tec as they are discovered?I
> don't believe any company fix bugs on a case by case bassis. The next
> upgade should fix old problems and give new ones. I have always been
> of the mind that ?if it ain?t broke, don?t fix it.?You can always go
> back. Change is always hard especial as we get older and set in our
> ways.*
>
> *Just trying to gather some information before I dare upgrade, with
> the chance that I would screw things up.Good idea to learn.*
>
> **
>
> *Any information or comments are greatly appreciated!*
>
> **
>
> *73, Ralph, NA6D*
>

*Paul K.
WA0BAG
*
>
> **
>
>

10495. RE: [orion565] Software Updates

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 17:45:07 UTC
From: Torrey Mitchell
Topic: 10492 Message: 10495

I sold my Orion II a few years back. Then I happened to operate someone else's O2 updated to the that last firmware 3.033xd with features an option to use SAP (selective audio processing) as a menu alternative to the manual notch filter. I immediately bought another very nice Orion II. SAP "makes" the O2 for me. Nothing is more effective in making SSB signals on 75 and 160 meters readable. By peaking the audio on a side band signal the voice seems to jump out of the noise. My Orion II now is one rig I will never sell, even though I have newer fancier transceivers.

Remember, all the firmware files are available through the TenTec/Alpha web site. If you don't like one; just install a different firmware.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, March 27, 2015 12:23
To: orion565@yahoogroups.com
Cc: Ralph At Home
Subject: [orion565] Software Updates

Hello to all. I have had an Orion 2 for about 5 years, and really enjoy the rig. It looks as if the current version on the unit is 2.10, dating back a few years.

To date, I have not felt the need to load more recent versions, but one thing in particular caught my attention, the SAP feature, contained in subsequent releases. I have had external devices that peak the CW signal, and it did come in handy in certain situations.

I have a couple of questions:

1. Is the upgrade to get the SAP really worth it?

2. I have read on the reflector there are bugs with new releases. Are these bugs corrected by Ten Tec as they are discovered? I have always been of the mind that "if it ain't broke, don't fix it."

Just trying to gather some information before I dare upgrade, with the chance that I would screw things up.

Any information or comments are greatly appreciated!

73, Ralph, NA6D

10496. Orion I I and general coverage receive capability

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 18:09:56 UTC
From: kf5wbs
Topic: 10496 Message: 10496

Just a quick question for the group. I am interested in a new (to me) transceiver and the Orion I I is about at the top of my list. Having a good general coverage receiver capability would be important to me as I like to listen out of the ham bands. If you use the general coverage capabilities of the Orion I I then I would certainly be interested in your impressions. I would certainly like to have a Ten Tec RX-340 receiver but if the Orion approaches it's performance that would be great.

Thanks to everyone,

Tom
KF5WBS

Sent from my Samsung Galaxy Tab® S

-------- Original message --------
From: "'Torrey Mitchell' torreym@q.com [orion565]" <orion565@yahoogroups.com>
Date: 03/27/2015 12:45 PM (GMT-06:00)
To: orion565@yahoogroups.com
Subject: RE: [orion565] Software Updates

I sold my Orion II a few years back. Then I happened to operate someone else’s O2 updated to the that last firmware 3.033xd with features an option to use SAP (selective audio processing) as a menu alternative to the manual notch filter. I immediately bought another very nice Orion II. SAP “makes” the O2 for me. Nothing is more effective in making SSB signals on 75 and 160 meters readable. By peaking the audio on a side band signal the voice seems to jump out of the noise. My Orion II now is one rig I will never sell, even though I have newer fancier transceivers.

Remember, all the firmware files are available through the TenTec/Alpha web site. If you don’t like one; just install a different firmware.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, March 27, 2015 12:23
To: orion565@yahoogroups.com
Cc: Ralph At Home
Subject: [orion565] Software Updates

Hello to all. I have had an Orion 2 for about 5 years, and really enjoy the rig. It looks as if the current version on the unit is 2.10, dating back a few years.

To date, I have not felt the need to load more recent versions, but one thing in particular caught my attention, the SAP feature, contained in subsequent releases. I have had external devices that peak the CW signal, and it did come in handy in certain situations.

I have a couple of questions:

1. Is the upgrade to get the SAP really worth it?

2. I have read on the reflector there are bugs with new releases. Are these bugs corrected by Ten Tec as they are discovered? I have always been of the mind that “if it ain’t broke, don’t fix it.”

Just trying to gather some information before I dare upgrade, with the chance that I would screw things up.

Any information or comments are greatly appreciated!

73, Ralph, NA6D

10497. Re: [orion565] Orion I I and general coverage receive capability

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 18:28:02 UTC
From: Barry N1EU
Topic: 10496 Message: 10497

The stock Orion subreceiver is a VERY good general coverage receiver.

73, Barry N1EU

On Fri, Mar 27, 2015 at 6:09 PM, kf5wbs kf5wbs@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
>
> Just a quick question for the group. I am interested in a new (to me)
> transceiver and the Orion I I is about at the top of my list. Having a
> good general coverage receiver capability would be important to me as I
> like to listen out of the ham bands. If you use the general coverage
> capabilities of the Orion I I then I would certainly be interested in your
> impressions. I would certainly like to have a Ten Tec RX-340 receiver but
> if the Orion approaches it's performance that would be great.
>
> Thanks to everyone,
>
> Tom
> KF5WBS
>
>
>
> Sent from my Samsung Galaxy Tab® S
>
>
> -------- Original message --------
> From: "'Torrey Mitchell' torreym@... [orion565]" <
> orion565@yahoogroups.com>
> Date: 03/27/2015 12:45 PM (GMT-06:00)
> To: orion565@yahoogroups.com
> Subject: RE: [orion565] Software Updates
>
>
>
> I sold my Orion II a few years back. Then I happened to operate someone
> else’s O2 updated to the that last firmware 3.033xd with features an option
> to use SAP (selective audio processing) as a menu alternative to the manual
> notch filter. I immediately bought another very nice Orion II. SAP
> “makes” the O2 for me. Nothing is more effective in making SSB signals on
> 75 and 160 meters readable. By peaking the audio on a side band signal the
> voice seems to jump out of the noise. My Orion II now is one rig I will
> never sell, even though I have newer fancier transceivers.
>

>
>
> Remember, all the firmware files are available through the TenTec/Alpha
> web site. If you don’t like one; just install a different firmware.
>
>
>
> 73 Torrey N9PY
>
>
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Friday, March 27, 2015 12:23
> *To:* orion565@yahoogroups.com
> *Cc:* Ralph At Home
> *Subject:* [orion565] Software Updates
>
>
>
>
>
>
> *Hello to all. I have had an Orion 2 for about 5 years, and really enjoy
> the rig. It looks as if the current version on the unit is 2.10, dating
> back a few years. *
>
>
>
> *To date, I have not felt the need to load more recent versions, but one
> thing in particular caught my attention, the SAP feature, contained in
> subsequent releases. I have had external devices that peak the CW signal,
> and it did come in handy in certain situations.*
>
>
>
> *I have a couple of questions:*
>
>
>
> *1.* *Is the upgrade to get the SAP really worth it?*
>
> *2.* *I have read on the reflector there are bugs with new releases.
> Are these bugs corrected by Ten Tec as they are discovered? I have always
> been of the mind that “if it ain’t broke, don’t fix it.”*
>
> *Just trying to gather some information before I dare upgrade, with the
> chance that I would screw things up.*
>
>
>
> *Any information or comments are greatly appreciated!*

>
>
>
> *73, Ralph, NA6D*
>
>
>

10498. Re: [orion565] Orion I I and general coverage receive capability

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 18:35:48 UTC
From: Jerry Rogers
Topic: 10496 Message: 10498

FYI! The Orion software filter is called “ SAF” not SAP.

As for the guy asking is it worth the upgrade. YES!

The SAF filter is a winner for me. I do a lot of CW work, but it’s nice on SSB. I use it more than the NR
which to me in any radio is just so-so.

And like was stated if you do not like the version you downloaded, just reload an older version.

Jerry
ki4ps
> On Mar 27, 2015, at 2:28 PM, Barry N1EU barry.n1eu@gmail.com [orion565] <orion565@yahoogroups.com> wrote:
>
>
> The stock Orion subreceiver is a VERY good general coverage receiver.
>
> 73, Barry N1EU
>
> On Fri, Mar 27, 2015 at 6:09 PM, kf5wbs kf5wbs@... <mailto:kf5wbs@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
>
> Just a quick question for the group. I am interested in a new (to me) transceiver and the Orion I I is about at the top of my list. Having a good general coverage receiver capability would be important to me as I like to listen out of the ham bands. If you use the general coverage capabilities of the Orion I I then I would certainly be interested in your impressions. I would certainly like to have a Ten Tec RX-340 receiver but if the Orion approaches it's performance that would be great.
>
> Thanks to everyone,
>
> Tom
> KF5WBS
>
>
>
> Sent from my Samsung Galaxy Tab® S
>
>
> -------- Original message --------
> From: "'Torrey Mitchell' torreym@... <mailto:torreym@...> [orion565]" <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>

> Date: 03/27/2015 12:45 PM (GMT-06:00)
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Subject: RE: [orion565] Software Updates
>
>
>
> I sold my Orion II a few years back. Then I happened to operate someone else's O2 updated to the that last firmware 3.033xd with features an option to use SAP (selective audio processing) as a menu alternative to the manual notch filter. I immediately bought another very nice Orion II. SAP "makes" the O2 for me. Nothing is more effective in making SSB signals on 75 and 160 meters readable. By peaking the audio on a side band signal the voice seems to jump out of the noise. My Orion II now is one rig I will never sell, even though I have newer fancier transceivers.
>
>
>
> Remember, all the firmware files are available through the TenTec/Alpha web site. If you don't like one; just install a different firmware.
>
>
>
> 73 Torrey N9PY
>
>
>
> From: orion565@...m <mailto:orion565@yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
> Sent: Friday, March 27, 2015 12:23
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Cc: Ralph At Home
> Subject: [orion565] Software Updates
>
>
>
>
>
> Hello to all. I have had an Orion 2 for about 5 years, and really enjoy the rig. It looks as if the current version on the unit is 2.10, dating back a few years.
>
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> To date, I have not felt the need to load more recent versions, but one thing in particular caught my attention, the SAP feature, contained in subsequent releases. I have had external devices that peak the CW signal, and it did come in handy in certain situations.
>
>
>
> I have a couple of questions:
>

>
>
> 1. Is the upgrade to get the SAP really worth it?
>
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>
> Just trying to gather some information before I dare upgrade, with the chance that I would screw things up.
>
>
>
> Any information or comments are greatly appreciated!
>
>
>
> 73, Ralph, NA6D
>
>
>
>
>
>
>

10499. Re: [orion565] Orion I I and general coverage receive capability

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 18:44:45 UTC
From: K Van Horn
Topic: 10496 Message: 10499

Tom,
It will not do general coverage transmit as some low pass filter coverage in the xmtr are missing. If you get one with the RX366 sub receiver installed instead of the normal sub receiver, the RX366 sub receiver is sometimes better than the main rcvr. That being said, unless you have TT modify the RX366 for reception on the AM broadcast band, it does not receive the AM broadcast band well. Their mod works wonderfully IF you do not have a lot of High Power AM broadcast stations close to you. If you do have that situation, do not do the am broadcast mod on the RX366 as the mod does away with the protection in the sub receiver from High Power BC band interference up through the ham bands. The O2 is a wonderful radio(I own 2 of them with RX366 subs installed.)

73,
Kirby, k7ec
Orion 2 beta tester

From: mailto:orion565@yahoogroups.com
Sent: Friday, 27 March, 2015 12:09
To: orion565@yahoogroups.com
Subject: [orion565] Orion I I and general coverage receive capability

Just a quick question for the group. I am interested in a new (to me) transceiver and the Orion I I is about at the top of my list. Having a good general coverage receiver capability would be important to me as I like to listen out of the ham bands. If you use the general coverage capabilities of the Orion I I then I would certainly be interested in your impressions. I would certainly like to have a Ten Tec RX-340 receiver but if the Orion approaches it's performance that would be great.

Thanks to everyone,

Tom
KF5WBS

Sent from my Samsung Galaxy Tab® S

-------- Original message --------
From: "'Torrey Mitchell' torreym@... [orion565]" <orion565@yahoogroups.com>
Date: 03/27/2015 12:45 PM (GMT-06:00)
To: orion565@yahoogroups.com
Subject: RE: [orion565] Software Updates

I sold my Orion II a few years back. Then I happened to operate someone else’s O2 updated to the that last firmware 3.033xd with features an option to use SAP (selective audio processing) as a menu alternative to the manual notch filter. I immediately bought another very nice Orion II. SAP “makes” the O2 for me. Nothing is more effective in making SSB signals on 75 and 160 meters readable. By peaking the audio on a side band signal the voice seems to jump out of the noise. My Orion II now is one rig I will never sell, even though I have newer fancier transceivers.

Remember, all the firmware files are available through the TenTec/Alpha web site. If you don’t like one; just install a different firmware.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, March 27, 2015 12:23
To: orion565@yahoogroups.com
Cc: Ralph At Home
Subject: [orion565] Software Updates

Hello to all. I have had an Orion 2 for about 5 years, and really enjoy the rig. It looks as if the current version on the unit is 2.10, dating back a few years.

To date, I have not felt the need to load more recent versions, but one thing in particular caught my attention, the SAP feature, contained in subsequent releases. I have had external devices that peak the CW signal, and it did come in handy in certain situations.

I have a couple of questions:

1. Is the upgrade to get the SAP really worth it?

2. I have read on the reflector there are bugs with new releases. Are these bugs corrected by Ten Tec as they are discovered? I have always been of the mind that “if it ain’t broke, don’t fix it.”

Just trying to gather some information before I dare upgrade, with the chance that I would screw things up.

Any information or comments are greatly appreciated!

73, Ralph, NA6D

10500. Re: [orion565] Orion I I and general coverage receive capability

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 18:57:59 UTC
From: KF5WBS
Topic: 10496 Message: 10500

Hi Kirby,

Actually my interest, second to the ham bands, is listening to commercial short wave stations. Granted there are not that many left anymore but that is what got me interested in ham radio those many years ago.

Thanks,

Tom
KF5WBS

On Mar 27, 2015, at 1:44 PM, "'K Van Horn' k7ec@midrivers.com [orion565]" <orion565@yahoogroups.com> wrote:

> Tom,
> It will not do general coverage transmit as some low pass filter coverage in the xmtr are missing. If you get one with the RX366 sub receiver installed instead of the normal sub receiver, the RX366 sub receiver is sometimes better than the main rcvr. That being said, unless you have TT modify the RX366 for reception on the AM broadcast band, it does not receive the AM broadcast band well. Their mod works wonderfully IF you do not have a lot of High Power AM broadcast stations close to you. If you do have that situation, do not do the am broadcast mod on the RX366 as the mod does away with the protection in the sub receiver from High Power BC band interference up through the ham bands. The O2 is a wonderful radio(I own 2 of them with RX366 subs installed.)
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> 73,
> Kirby, k7ec
> Orion 2 beta tester
>
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> From: mailto:orion565@yahoogroups.com
> Sent: Friday, 27 March, 2015 12:09
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion I I and general coverage receive capability
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> Thanks to everyone,
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> KF5WBS
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> Sent from my Samsung Galaxy Tab® S
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> -------- Original message --------
> From: "'Torrey Mitchell' torreym@... [orion565]" <orion565@yahoogroups.com>
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> To: orion565@yahoogroups.com
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>
>
> 73 Torrey N9PY
>
>
> From: orion565@yahoogroups.com [mailto:orion565@...m]
> Sent: Friday, March 27, 2015 12:23
> To: orion565@yahoogroups.com
> Cc: Ralph At Home
> Subject: [orion565] Software Updates
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>
>
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> Hello to all. I have had an Orion 2 for about 5 years, and really enjoy the rig. It looks as if the current version on the unit is 2.10, dating back a few years.
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> To date, I have not felt the need to load more recent versions, but one thing in particular caught my attention, the SAP feature, contained in subsequent releases. I have had external devices that peak the CW signal, and it did come in handy in certain situations.
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> Any information or comments are greatly appreciated!
>
>
> 73, Ralph, NA6D
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>

10501. Re: [orion565] Software Updates

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 21:47:11 UTC
From: Wayne Staples
Topic: 10492 Message: 10501

On 28/03/15 03:22, 'Ralph Matthews' rondo47@... [orion565] wrote:
>
>
> *Hello to all. I have had an Orion 2 for about 5 years, and really
> enjoy the rig. It looks as if the current version on the unit is 2.10,
> dating back a few years. *
>
> **
>
> *To date, I have not felt the need to load more recent versions, but
> one thing in particular caught my attention, the SAP feature,
> contained in subsequent releases. I have had external devices that
> peak the CW signal, and it did come in handy in certain situations.*
>
> **
>
> *I have a couple of questions:*
>
> **
>
> *1.**Is the upgrade to get the SAP really worth it?*
>
> *2.**I have read on the reflector there are bugs with new releases.
> Are these bugs corrected by Ten Tec as they are discovered? I have
> always been of the mind that ?if it ain?t broke, don?t fix it.?*
>
> *Just trying to gather some information before I dare upgrade, with
> the chance that I would screw things up.*
>
> **
>
> *Any information or comments are greatly appreciated!*
>
> **
>
> *73, Ralph, NA6D*
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>
>
Hi Ralph
The short answer is yes it is worth it if only for the SAF not SAP
(selective audio filter) but it very important you follow the
instructions when it comes to loading the firmware into the transceiver.
After loading in the update make sure you initiate a RAM clear then a

master reset always do the ram clear first, between each procedure cycle the radio off and on. At the end of ram clear and master reset there are a few questions "clear memories, clear filter settings and 366 RX installed Y/N" if you have *not* had the the new RX366 installed make you say *no *to that question .

I have a Orion 1 with latest firmware loaded and that gave me the same features and the standard sub receiver is a good general coverage receiver, so as I said and others have said upgrade.

73 Wayne VK4EU

10502. Mic boom recommendations

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 21:49:32 UTC
From: Steven Hammond
Topic: 10496 Message: 10502

I have the Ten Tec Regal mic and was looking for a boom to put it on.
Does anyone have such a setup and/or recommendations?

Steven Hammond
KY5M

10503. RE: [orion565] Software Updates

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-27 21:57:12 UTC
From: Wes Attaway (N5WA)
Topic: 10492 Message: 10503

I would highly recommend updating to the latest firmware version. The SAP function works great and is a big help in certain situations.

I am not aware of any "bugs" that would preclude installing the firmware updates.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com <http://www.attawayforensics.com>

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, March 27, 2015 4:47 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Software Updates

On 28/03/15 03:22, 'Ralph Matthews' rondo47@... [orion565] wrote:

Hello to all. I have had an Orion 2 for about 5 years, and really enjoy the rig. It looks as if the current version on the unit is 2.10, dating back a few years.

To date, I have not felt the need to load more recent versions, but one thing in particular caught my attention, the SAP feature, contained in subsequent releases. I have had external devices that peak the CW signal, and it did come in handy in certain situations.

I have a couple of questions:

1. Is the upgrade to get the SAP really worth it?

2. I have read on the reflector there are bugs with new releases. Are these bugs corrected by Ten Tec as they are discovered? I have always been of the mind that "if it ain't broke, don't fix it."

Just trying to gather some information before I dare upgrade, with the chance that I would screw things up.

Any information or comments are greatly appreciated!

73, Ralph, NA6D

Hi Ralph
The short answer is yes it is worth it if only for the SAF not SAP (selective audio filter) but it very important you follow the instructions when it comes to loading the firmware into the transceiver. After loading in the update make sure you initiate a RAM clear then a master reset always do the ram clear first, between each procedure cycle the radio off and on. At the end of ram clear and master reset there are a few questions "clear memories, clear filter settings and 366 RX installed Y/N" if you have not had the the new RX366 installed make you say no to that question .

I have a Orion 1 with latest firmware loaded and that gave me the same features and the standard sub receiver is a good general coverage receiver, so as I said and others have said upgrade.

73 Wayne VK4EU

10504. Re: [orion565] Software Updates

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-28 02:04:42 UTC
From: K Van Horn
Topic: 10492 Message: 10504

Hi Ralph,
YES YES YES!!! Update your Orion 2 for so many reasons!!! SAF works wonderfully!! That was the reason that I kept my Omni 6+, it has the SAF in its firmware but TT didn't tell anybody unless you asked. Jack B. really chuckled when I told him I had kept my Omni 6+ in addition to getting 2 ea Orion 2s because I could hear the sigs better on the Omni before SAF was added into the Orions in Ver 3 of the firmware. YES YES YES do the latest ver 3 update because it makes the radio functions work better!!!!! (I am a beta tester so I do know.) 73 kirby, K7ec

From: mailto:orion565@yahoogroups.com
Sent: Friday, 27 March, 2015 15:47
To: orion565@yahoogroups.com
Subject: Re: [orion565] Software Updates

On 28/03/15 03:22, 'Ralph Matthews' rondo47@... [orion565] wrote:

Hello to all. I have had an Orion 2 for about 5 years, and really enjoy the rig. It looks as if the current version on the unit is 2.10, dating back a few years.

To date, I have not felt the need to load more recent versions, but one thing in particular caught my attention, the SAP feature, contained in subsequent releases. I have had external devices that peak the CW signal, and it did come in handy in certain situations.

I have a couple of questions:

<!--[if !supportLists]-->1. <!--[endif]-->Is the upgrade to get the SAP really worth it?

<!--[if !supportLists]-->2. <!--[endif]-->I have read on the reflector there are bugs with new releases. Are these bugs corrected by Ten Tec as they are discovered? I have always been of the mind that "if it ain't broke, don't fix it."

Just trying to gather some information before I dare upgrade, with the chance that I would screw things up.

Any information or comments are greatly appreciated!

73, Ralph, NA6D

Hi Ralph
The short answer is yes it is worth it if only for the SAF not SAP (selective audio filter) but it very important you follow the instructions when it comes to loading the firmware into the transceiver. After loading in the update make sure you initiate a RAM clear then a master reset always do the ram clear first, between each procedure cycle the radio off and on. At the end of ram clear and master reset there are a few questions "clear memories, clear filter settings and 366 RX installed Y/N" if you have not had the the new RX366 installed make you say no to that question .

I have a Orion 1 with latest firmware loaded and that gave me the same features and the standard sub receiver is a good general coverage receiver, so as I said and others have said upgrade.

73 Wayne VK4EU

10505. RE: [orion565] Software Updates

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-28 06:41:40 UTC
From: Ralph Matthews
Topic: 10492 Message: 10505

Hi, Kirby and all the others who answered my questions. Really great to have this forum. Lotta smart people here. I will certainly try the upgrade of the firmware to the latest version on my O2. Kirby, I also have an Omni 6 plus, and it is a great CW rig, with all the filters, etc. How would I recognize the SAF on the 6 plus?

Ralph, NA6D

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, March 27, 2015 7:05 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Software Updates

Hi Ralph,

YES YES YES!!! Update your Orion 2 for so many reasons!!! SAF works wonderfully!! That was the reason that I kept my Omni 6+, it has the SAF in its firmware but TT didn't tell anybody unless you asked. Jack B. really chuckled when I told him I had kept my Omni 6+ in addition to getting 2 ea Orion 2s because I could hear the sigs better on the Omni before SAF was added into the Orions in Ver 3 of the firmware. YES YES YES do the latest ver 3 update because it makes the radio functions work better!!!!! (I am a beta tester so I do know.) 73 kirby, K7ec

From: mailto:orion565@yahoogroups.com

Sent: Friday, 27 March, 2015 15:47

To: orion565@yahoogroups.com

Subject: Re: [orion565] Software Updates

On 28/03/15 03:22, 'Ralph Matthews' rondo47@... [orion565] wrote:

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To date, I have not felt the need to load more recent versions, but one thing in particular caught my attention, the SAP feature, contained in subsequent releases. I have had external devices that peak the CW signal, and it did come in handy in certain situations.

I have a couple of questions:

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Just trying to gather some information before I dare upgrade, with the chance that I would screw things up.

Any information or comments are greatly appreciated!

73, Ralph, NA6D

Hi Ralph
The short answer is yes it is worth it if only for the SAF not SAP (selective audio filter) but it very important you follow the instructions when it comes to loading the firmware into the transceiver. After loading in the update make sure you initiate a RAM clear then a master reset always do the ram clear first, between each procedure cycle the radio off and on. At the end of ram clear and master reset there are a few questions "clear memories, clear filter settings and 366 RX installed Y/N" if you have not had the the new RX366 installed make you say no to that question .

I have a Orion 1 with latest firmware loaded and that gave me the same features and the standard sub receiver is a good general coverage receiver, so as I said and others have said upgrade.

73 Wayne VK4EU

10506. Re: [orion565] Software Updates

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-28 09:12:24 UTC
From: Jerry Rogers
Topic: 10492 Message: 10506

FYI! There is no SAF in the 6 plus. SAF came about while John Henry was working on Version 3._ _ _ for the Orion.

Jerry
ki4ps

> On Mar 28, 2015, at 2:41 AM, 'Ralph Matthews' rondo47@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Hi, Kirby and all the others who answered my questions. Really great to have this forum. Lotta smart people here. I will certainly try the upgrade of the firmware to the latest version on my O2. Kirby, I also have an Omni 6 plus, and it is a great CW rig, with all the filters, etc. How would I recognize the SAF on the 6 plus?
>
>
>
> Ralph, NA6D
>
>
>
> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
> Sent: Friday, March 27, 2015 7:05 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Software Updates
>
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>
>
>
>
> Hi Ralph,
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> YES YES YES!!! Update your Orion 2 for so many reasons!!! SAF works wonderfully!! That was the reason that I kept my Omni 6+, it has the SAF in its firmware but TT didn’t tell anybody unless you asked. Jack B. really chuckled when I told him I had kept my Omni 6+ in addition to getting 2 ea Orion 2s because I could hear the sigs better on the Omni before SAF was added into the Orions in Ver 3 of the firmware. YES YES YES do the latest ver 3 update because it makes the radio functions work better!!!!! (I am a beta tester so I do know.) 73 kirby, K7ec
>
>
>

> From: mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Sent: Friday, 27 March, 2015 15:47
>
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Subject: Re: [orion565] Software Updates
>
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>
> On 28/03/15 03:22, 'Ralph Matthews' rondo47@... <mailto:rondo47@surewest.net> [orion565] wrote:
>
>> Hello to all. I have had an Orion 2 for about 5 years, and really enjoy the rig. It looks as if the current version on the unit is 2.10, dating back a few years.
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>> To date, I have not felt the need to load more recent versions, but one thing in particular caught my attention, the SAP feature, contained in subsequent releases. I have had external devices that peak the CW signal, and it did come in handy in certain situations.
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>> I have a couple of questions:
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>> <!--[if !supportLists]-->2. <!--[endif]-->I have read on the reflector there are bugs with new releases. Are these bugs corrected by Ten Tec as they are discovered? I have always been of the mind that “if it ain’t broke, don’t fix it.”
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>> Just trying to gather some information before I dare upgrade, with the chance that I would screw things up.
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>> Any information or comments are greatly appreciated!
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>> 73, Ralph, NA6D
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> Hi Ralph
> The short answer is yes it is worth it if only for the SAF not SAP (selective audio filter) but it very important you follow the instructions when it comes to loading the firmware into the transceiver. After loading in the update make sure you initiate a RAM clear then a master reset always do the ram clear first, between each procedure cycle the radio off and on. At the end of ram clear and master reset there are a few questions "clear memories, clear filter settings and 366 RX installed Y/N" if you have not had the the new RX366 installed make you say no to that question .
>
> I have a Orion 1 with latest firmware loaded and that gave me the same features and the standard sub receiver is a good general coverage receiver, so as I said and others have said upgrade.
>
> 73 Wayne VK4EU

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10507. Re: [orion565] Software Updates

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-28 09:16:54 UTC
From: Barry N1EU
Topic: 10492 Message: 10507

The Omni 6 Plus doesn't have an SAF/APF "selective audio filter"/"audio peaking filter".

Barry N1EU

On Sat, Mar 28, 2015 at 6:41 AM, 'Ralph Matthews' rondo47@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> *Hi, Kirby and all the others who answered my questions. Really great to have this forum. Lotta smart people here. I will certainly try the upgrade of the firmware to the latest version on my O2. Kirby, I also have an Omni 6 plus, and it is a great CW rig, with all the filters, etc. How would I recognize the SAF on the 6 plus? *
>
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> ------------------------------
> Posted by: "Ralph Matthews" <rondo47@...>
> ------------------------------
> Reply via web post
> <https://groups.yahoo.com/neo/groups/orion565/conversations/messages/10505;_ylc=X3oDMTJyazNvNmhzBF9TAzk3MzU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMxMDUwNQRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzE0Mjc1MjQ5MjI-?act=reply&messageNum=10505>
> • Reply to sender
> <rondo47@...?subject=RE%3A%20%5Borion565%5D%20Software%20Updates>
> • Reply to group
> <orion565@yahoogroups.com?subject=RE%3A%20%5Borion565%5D%20Software%20Updates>
> • Start a New Topic
> <https://groups.yahoo.com/neo/groups/orion565/conversations/newtopic;_ylc=X3oDMTJmbXZ2Z2tvBF9TAzk3MzU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzE0Mjc1MjQ5MjI->
> • Messages in this topic
> <https://groups.yahoo.com/neo/groups/orion565/conversations/topics/10492;_ylc=X3oDMTM3dnNsNHJvBF9TAzk3MzU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMxMDUwNQRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzE0Mjc1MjQ5MjIEdHBjSWQDMTA0OTI->
> (8)
>
> Visit Your Group
> <https://groups.yahoo.com/neo/groups/orion565/info;_ylc=X3oDMTJmNWxxaXVkBF9TAzk3MzU5NzE0BGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE0Mjc1MjQ5MjI->

>
>
> [image: Yahoo! Groups]
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlOTA1cXNmBF9TAzk3NDc2NTkwBGdycElkAzExMTUyMDc2BGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQyNzUyNDkyMg-->
> • Privacy <https://info.yahoo.com/privacy/us/yahoo/groups/details.html> •
> Unsubscribe <orion565-unsubscribe@yahoogroups.com?subject=Unsubscribe> • Terms
> of Use <https://info.yahoo.com/legal/us/yahoo/utos/terms/>
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10508. Re: [orion565] Mic boom recommendations

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-29 00:37:50 UTC
From: Wayne Staples
Topic: 10496 Message: 10508

On 28/03/2015 7:49 AM, Steven Hammond bcf1689@... [orion565] wrote:
> I have the Ten Tec Regal mic and was looking for a boom to put it on.
> Does anyone have such a setup and/or recommendations?
>
> Steven Hammond
> KY5M
>
>
> ------------------------------------
> Posted by: Steven Hammond <bcf1689@...>
> ------------------------------------
>
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>
Hi Steve

Heil have very well made boom designed for communications also have look
your music pro shop .

73 Wayne VK4EU

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

10509. RE: [orion565] Mic boom recommendations

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-29 00:49:47 UTC
From: KC2QMA@COMCAST
Topic: 10496 Message: 10509

One of the best and most affordable boom arms are from a company called www.Q-Mic.com

You will probably want the model QM-50. Here is a link to the boom arms.
http://www.q-mic.com/mic-arms/

Have Fun!

KC2QMA

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Saturday, March 28, 2015 7:38 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Mic boom recommendations

On 28/03/2015 7:49 AM, Steven Hammond bcf1689@... [orion565] wrote:
> I have the Ten Tec Regal mic and was looking for a boom to put it on.
> Does anyone have such a setup and/or recommendations?
>
> Steven Hammond
> KY5M
>
>
> ------------------------------------
> Posted by: Steven Hammond <bcf1689@...>
> ------------------------------------
>
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>
Hi Steve

Heil have very well made boom designed for communications also have look
your music pro shop .

73 Wayne VK4EU

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

10510. Re: [orion565] Mic boom recommendations

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-29 01:02:49 UTC
From: Barry N1EU
Topic: 10496 Message: 10510

Thanks for posting that John. I was struggling to find my order from them
10 years ago so I could post their name. I second the recommendation.

73, Barry N1EU

On Sun, Mar 29, 2015 at 12:49 AM, 'KC2QMA@COMCAST' kc2qma@comcast.net
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> One of the best and most affordable boom arms are from a company called
> www.Q-Mic.com
>
> You will probably want the model QM-50. Here is a link to the boom arms.
> http://www.q-mic.com/mic-arms/
>
>
>
> Have Fun!
>
> KC2QMA
>
> John
>
>
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Saturday, March 28, 2015 7:38 PM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Mic boom recommendations
>
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> On 28/03/2015 7:49 AM, Steven Hammond bcf1689@... [orion565] wrote:
> > I have the Ten Tec Regal mic and was looking for a boom to put it on.
> > Does anyone have such a setup and/or recommendations?
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> > Steven Hammond
> > KY5M
> >
> >
> > ------------------------------------
> > Posted by: Steven Hammond <bcf1689@...>
> > ------------------------------------

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> >
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> > ------------------------------------
> >
> > Yahoo Groups Links
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> >
> >
> Hi Steve
>
> Heil have very well made boom designed for communications also have look
> your music pro shop .
>
> 73 Wayne VK4EU
>
> ---
> This email has been checked for viruses by Avast antivirus software.
> http://www.avast.com
>
>
>

10511. Re: Mic boom recommendations

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-30 20:35:19 UTC
From: k1fpv@...
Topic: 10496 Message: 10511

Hi Steve,

I am using the Regal mic with the Heil boom and elevated mount on my operating bench. Works good for me! I built a switching network and switch the mic between rigs by merely rotating the switch to the rig I want to use. Good luck with your decision.

Bill
K1FPV

10512. Re: [orion565] Re: Mic boom recommendations

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-30 21:44:59 UTC
From: Steven Hammond
Topic: 10496 Message: 10512

Do you mind emailing be some pics of your setup?

73
Steven Hammond
KY5M
ky5m@...

On 3/30/2015 3:35 PM, k1fpv@... [orion565] wrote:
>
> Hi Steve,
>
> I am using the Regal mic with the Heil boom and elevated mount on my
> operating bench. Works good for me! I built a switching network and
> switch the mic between rigs by merely rotating the switch to the rig I
> want to use. Good luck with your decision.
>
> Bill
> K1FPV
>
>

10513. Orion 1 Moved frequency 5 KHz. ??? Advice

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-31 12:27:59 UTC
From: hglent@...
Topic: 10513 Message: 10513

I posted this question and asked for help with the Ten Tec group on contesting.com yesterday. I am also posting it here hoping the expertise from this group will help me get the rig back on the air.

Thanks in advance for helping me.

Paul K.
WA0BAG

Fellow Ten Tec folks,
This morning while receiving on 40 Meters, my Orion 1 made a sudden frequency shift downward. I saw the continuation of the other station instantly re appear down frequency about 5 KHz. Sure enough, I tuned down there and continued and finished the contact. The shift was from 7.265MHz down to about 7.260MHz. After the end of the contact I began tuning the sub receiver, (the original sub receiver) looking for WWV on 10.0 MHz. Again, I found WWV down in frequency about 9.995MHz. I made several switches between CWU and CWL until I very closely match the tones. The match came at 9.99457MHz. When the shift in frequency occurred there was no change indicated on the display. I found the signal by tuning down to it with the proper frequency displayed on screen.

I took the bottom cover off the Orion 1 and proceeded to make adjustments to the Y1, 44.55MHz oscillator. I found I can only swing the Y1 oscillator about 38Hz.

Have any of you experienced a sudden shift similar to what I described? If so, has the problem traced to the Y1 Oscillator? Also have any of you replaced the Y1 44.55MHz oscillator module?

If you can help with advice or information please, in addition to responding on list, email me off list, as I read this list only in digest form.

Thanks you all for help on this.

TNX ... es ... 73 ... de ... WA0BAG . .

--
Paul K. WA0BAG

10514. Re: [orion565] Orion 1 Moved frequency 5 KHz. ??? Advice

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-31 13:10:19 UTC
From: Barry N1EU
Topic: 10513 Message: 10514

Master reset and see if the problem occurs again.

Barry N1EU

On Tue, Mar 31, 2015 at 8:27 AM, hglent@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> I posted this question and asked for help with the Ten Tec group on
> contesting.com yesterday. I am also posting it here hoping the expertise
> from this group will help me get the rig back on the air.
>
>
> Thanks in advance for helping me.
>
>
> Paul K.
>
> WA0BAG
>
>
>
> Fellow Ten Tec folks,
> This morning while receiving on 40 Meters, my Orion 1 made a sudden
> frequency shift downward. I saw the continuation of the other station
> instantly re appear down frequency about 5 KHz. Sure enough, I tuned down
> there and continued and finished the contact. The shift was from 7.265MHz
> down to about 7.260MHz. After the end of the contact I began tuning the
> sub receiver, (the original sub receiver) looking for WWV on 10.0 MHz.
> Again, I found WWV down in frequency about 9.995MHz. I made several
> switches between CWU and CWL until I very closely match the tones. The
> match came at 9.99457MHz. When the shift in frequency occurred there was
> no change indicated on the display. I found the signal by tuning down to
> it with the proper frequency displayed on screen.
>
> I took the bottom cover off the Orion 1 and proceeded to make adjustments
> to the Y1, 44.55MHz oscillator. I found I can only swing the Y1 oscillator
> about 38Hz.
>
> Have any of you experienced a sudden shift similar to what I described?
> If so, has the problem traced to the Y1 Oscillator? Also have any of you
> replaced the Y1 44.55MHz oscillator module?
>
> If you can help with advice or information please, in addition to
> responding on list, email me off list, as I read this list only in digest

> form.
>
> Thanks you all for help on this.
>
> TNX ... es ... 73 ... de ... WA0BAG . .
> --
> Paul K. WA0BAG
>
>
>
>

10515. Re: [orion565] Orion 1 Moved frequency 5 KHz. ??? Advice

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-31 13:02:47 UTC
From: Wayne Staples
Topic: 10513 Message: 10515

On 31/03/2015 10:27 PM, hglent@... [orion565] wrote:
>
>
> I posted this question and asked for help with the Ten Tec group on
> contesting.com yesterday. I am also posting it here hoping the
> expertise from this group will help me get the rig back on the air.
>
>
> Thanks in advance for helping me.
>
>
> Paul K.
>
> WA0BAG
>
>
>
> Fellow Ten Tec folks,
> This morning while receiving on 40 Meters, my Orion 1 made a sudden
> frequency shift downward. I saw the continuation of the other station
> instantly re appear down frequency about 5 KHz. Sure enough, I tuned
> down there and continued and finished the contact. The shift was
> from 7.265MHz down to about 7.260MHz. After the end of the contact I
> began tuning the sub receiver, (the original sub receiver) looking for
> WWV on 10.0 MHz. Again, I found WWV down in frequency about
> 9.995MHz. I made several switches between CWU and CWL until I very
> closely match the tones. The match came at 9.99457MHz. When the shift
> in frequency occurred there was no change indicated on the display. I
> found the signal by tuning down to it with the proper frequency
> displayed on screen.
>
> I took the bottom cover off the Orion 1 and proceeded to make
> adjustments to the Y1, 44.55MHz oscillator. I found I can only swing
> the Y1 oscillator about 38Hz.
>
> Have any of you experienced a sudden shift similar to what I
> described? If so, has the problem traced to the Y1 Oscillator? Also
> have any of you replaced the Y1 44.55MHz oscillator module?
>
> If you can help with advice or information please, in addition to
> responding on list, email me off list, as I read this list only in
> digest form.
>
> Thanks you all for help on this.
>

> TNX ... es ... 73 ... de ... WA0BAG . .
>
> --
> Paul K. WA0BAG
>
>
>
>
>
Hi Paul

Very erratic behavior has been observed when memory battery requires replacing, if you have not replaced battery in 6 to 7 years very strange things start happening.

73 Wayne VK4EU

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

10516. Re: [orion565] Orion 1 Moved frequency 5 KHz. ??? Advice

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-31 14:01:33 UTC
From: Paul K.
Topic: 10513 Message: 10516

Thanks for the quick reply and advise,
I have done several Master Resets and also re loaded the operating
software. I have also removed all the boards, exercised all slide type
connectors (white wired etc. connectors) including the mini coax
connectors, cleaned the connectors, cleaned all the screw bases,
re-tightened all mounting screws and changed all the batteries plus
recapped the power board.

I think I have covered most of the common problems that plague Ten Tec
equipment.

Paul K. WA0BAG

On 3/31/2015 9:10 AM, Barry N1EU barry.n1eu@... [orion565] wrote:
> Master reset and see if the problem occurs again.
>
> Barry N1EU
>
> On Tue, Mar 31, 2015 at 8:27 AM, hglent@...
> <mailto:hglent@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> I posted this question and asked for help with the Ten Tec group
> on contesting.com <http://contesting.com> yesterday. I am also
> posting it here hoping the expertise from this group will help me
> get the rig back on the air.
>
>
> Thanks in advance for helping me.
>
>
> Paul K.
>
> WA0BAG
>
>
>
> Fellow Ten Tec folks,
> This morning while receiving on 40 Meters, my Orion 1 made a
> sudden frequency shift downward. I saw the continuation of the
> other station instantly re appear down frequency about 5 KHz.
> Sure enough, I tuned down there and continued and finished the
> contact. The shift was from 7.265MHz down to about 7.260MHz.
> After the end of the contact I began tuning the sub receiver, (the
> original sub receiver) looking for WWV on 10.0 MHz. Again, I
> found WWV down in frequency about 9.995MHz. I made several

> switches between CWU and CWL until I very closely match the
> tones. The match came at 9.99457MHz. When the shift in frequency
> occurred there was no change indicated on the display. I found
> the signal by tuning down to it with the proper frequency
> displayed on screen.
>
> I took the bottom cover off the Orion 1 and proceeded to make
> adjustments to the Y1, 44.55MHz oscillator. I found I can only
> swing the Y1 oscillator about 38Hz.
>
> Have any of you experienced a sudden shift similar to what I
> described? If so, has the problem traced to the Y1 Oscillator?
> Also have any of you replaced the Y1 44.55MHz oscillator module?
>
> If you can help with advice or information please, in addition to
> responding on list, email me off list, as I read this list only in
> digest form.
>
> Thanks you all for help on this.
>
> TNX ... es ... 73 ... de ... WA0BAG . .
>
> --
> Paul K. WA0BAG
>
>
>
>

10517. Re: [orion565] Orion 1 Moved frequency 5 KHz. ??? Advice

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-31 14:04:59 UTC
From: Paul K.
Topic: 10513 Message: 10517

Wayne,
Replaced the battery yesterday afternoon. The battery I put in has been on the shelf here for a few weeks, so I am slightly suspicious. I may make a speed run to the TT factory and pick up a fresh battery yet this week.

Thanks.

Paul K. WA0BAG

On 3/31/2015 9:02 AM, Wayne Staples vk4eu@... [orion565] wrote:
>
> On 31/03/2015 10:27 PM, hglent@... [orion565] wrote:
>>
>> I posted this question and asked for help with the Ten Tec group on
>> contesting.com yesterday. I am also posting it here hoping the
>> expertise from this group will help me get the rig back on the air.
>>
>>
>> Thanks in advance for helping me.
>>
>>
>> Paul K.
>>
>> WA0BAG
>>
>>
>>
>> Fellow Ten Tec folks,
>> This morning while receiving on 40 Meters, my Orion 1 made a sudden
>> frequency shift downward. I saw the continuation of the other
>> station instantly re appear down frequency about 5 KHz. Sure enough,
>> I tuned down there and continued and finished the contact. The
>> shift was from 7.265MHz down to about 7.260MHz. After the end of the
>> contact I began tuning the sub receiver, (the original sub receiver)
>> looking for WWV on 10.0 MHz. Again, I found WWV down in frequency
>> about 9.995MHz. I made several switches between CWU and CWL until I
>> very closely match the tones. The match came at 9.99457MHz. When
>> the shift in frequency occurred there was no change indicated on the
>> display. I found the signal by tuning down to it with the proper
>> frequency displayed on screen.
>>
>> I took the bottom cover off the Orion 1 and proceeded to make
>> adjustments to the Y1, 44.55MHz oscillator. I found I can only swing
>> the Y1 oscillator about 38Hz.
>>

>> Have any of you experienced a sudden shift similar to what I
>> described? If so, has the problem traced to the Y1 Oscillator? Also
>> have any of you replaced the Y1 44.55MHz oscillator module?
>>
>> If you can help with advice or information please, in addition to
>> responding on list, email me off list, as I read this list only in
>> digest form.
>>
>> Thanks you all for help on this.
>>
>> TNX ... es ... 73 ... de ... WA0BAG . .
>>
>> --
>> Paul K. WA0BAG
>>
>>
> Hi Paul
>
> Very erratic behavior has been observed when memory battery requires
> replacing, if you have not replaced battery in 6 to 7 years very
> strange things start happening.
>
> 73 Wayne VK4EU
>
>
> --
> <http://www.avast.com/>
>
> This email has been checked for viruses by Avast antivirus software.
> www.avast.com <http://www.avast.com/>
>
>
>

10518. Re: Mic boom recommendations

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-31 16:49:54 UTC
From: ve7tk@...
Topic: 10496 Message: 10518

I'm using an OC White boom to support an Electro-voice RE27N/D mic. All was obtained from a well known auction site. Photos are on my website:

http://ve7tk.com http://ve7tk.com

73, Rick
VE7TK

10519. Re: [orion565] Re: Mic boom recommendations

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-31 21:48:37 UTC
From: k1fpv@...
Topic: 10496 Message: 10519

Hi Steve,

It is on QRZ. Look at the main picture with me sitting on the left. You can see the boom with the Regal mic on it.

Bill
K1FPV

10520. Re: [orion565] Re: Mic boom recommendations

Yahoo group: orion565 (2014 — 2017)
Date: 2015-03-31 22:01:06 UTC
From: Steven Hammond
Topic: 10496 Message: 10520

LOL - yea, I thought about that after I hit the ENTER button. Nice setup!

Steven Hammond
KY5M

On 3/31/2015 4:48 PM, k1fpv@... [orion565] wrote:
>
> Hi Steve,
>
> It is on QRZ. Look at the main picture with me sitting on the left.
> You can see the boom with the Regal mic on it.
>
> Bill
> K1FPV
>
>

10521. Fwd: [TenTec] Fwd: Request to join orion565 denied

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-09 14:13:40 UTC
From: Barry N1EU
Topic: 10521 Message: 10521

This is somewhat concerning. Can we appoint an additional 1 or 2
moderator/administrators for the group just to be safe?

73, Barry N1EU

---------- Forwarded message ----------
From: denton sprague <denton@...>
Date: Thu, Apr 9, 2015 at 9:31 AM
Subject: [TenTec] Fwd: Request to join orion565 denied
To: Discussion of Ten-Tec Equipment <tentec@...>

anyone else been having problems with orion565 yahoo group? I sent W2AJI,
Mike, the moderator for this group, my call letters 3 times and got
rejected.

Begin forwarded message:

> From: Yahoo Groups Notification <notify@yahoogroups.com>
> Subject: Request to join orion565 denied
> Date: April 9, 2015 at 12:07:31 AM PDT
> To: denton@...
>
>
> Hello,
>
> Your request to join the orion565 group was not approved.
> Your membership was automatically rejected because the moderator didn't
> approve it within 14 days. We do this to provide a high quality
> of service for our users.
>
> If you want, you may attempt to join this group again.
>
> You may find other groups to join by searching or browsing the
> Groups directory:
> http://groups.yahoo.com
>
> If you would like to create your own group, please visit:
> http://groups.yahoo.com/start
>
> Thank you for choosing Yahoo Groups.
>
>
> Regards,
>
> Yahoo Groups Customer Care
>

> Your use of Yahoo Groups is subject to
http://info.yahoo.com/legal/us/yahoo/utos/terms/
>
>
>
>

_____
TenTec mailing list
TenTec@...
http://lists.contesting.com/mailman/listinfo/tentec

10522. Re: [orion565] Fwd: [TenTec] Fwd: Request to join orion565 denied

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-09 21:00:51 UTC
From: Mike Schatzberg
Topic: 10521 Message: 10522

Barry, I never received any reply for my repeated requests for his call sign from this gentleman. When I finally received his complaint of no membership, it came unsigned and without call sign. I got that email just fine.

The server automatically rejects subscriptions after a set period of time, and that is what happened.

This is the first complaint in all the years I'm handling this reflector, you decide if it was mishandled.

73,

Mike
W2AJI
Owner Orion 565/566

Sent from my iPhone

> On Apr 9, 2015, at 10:13 AM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> This is somewhat concerning. Can we appoint an additional 1 or 2 moderator/administrators for the group just to be safe?
>
> 73, Barry N1EU
>
> ---------- Forwarded message ----------
> From: denton sprague <denton@...>
> Date: Thu, Apr 9, 2015 at 9:31 AM
> Subject: [TenTec] Fwd: Request to join orion565 denied
> To: Discussion of Ten-Tec Equipment <tentec@...>
>
>
> anyone else been having problems with orion565 yahoo group? I sent W2AJI, Mike, the moderator for this group, my call letters 3 times and got rejected.
>
> Begin forwarded message:
>
> > From: Yahoo Groups Notification <notify@yahoogroups.com>
> > Subject: Request to join orion565 denied
> > Date: April 9, 2015 at 12:07:31 AM PDT
> > To: denton@...
> >
> >

> > Hello,
> >
> > Your request to join the orion565 group was not approved.
> > Your membership was automatically rejected because the moderator didn't
> > approve it within 14 days. We do this to provide a high quality
> > of service for our users.
> >
> > If you want, you may attempt to join this group again.
> >
> > You may find other groups to join by searching or browsing the
> > Groups directory:
> > http://groups.yahoo.com
> >
> > If you would like to create your own group, please visit:
> > http://groups.yahoo.com/start
> >
> > Thank you for choosing Yahoo Groups.
> >
> >
> > Regards,
> >
> > Yahoo Groups Customer Care
> >
> > Your use of Yahoo Groups is subject to
http://info.yahoo.com/legal/us/yahoo/utos/terms/
> >
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> TenTec mailing list
> TenTec@...
> http://lists.contesting.com/mailman/listinfo/tentec
>
>
>
>

10523. Re: [orion565] Fwd: [TenTec] Fwd: Request to join orion565 denied

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-09 21:03:18 UTC
From: Mike Schatzberg
Topic: 10521 Message: 10523

PS. Notice this complaint is unsigned also. I imagine he does not know I moderate both reflectors.

73,

Mike
W2AJI
Owner Ten Tec Reflector

Sent from my iPhone

> On Apr 9, 2015, at 10:13 AM, Barry N1EU barry.n1eu@gmail.com [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> This is somewhat concerning. Can we appoint an additional 1 or 2 moderator/administrators for the group just to be safe?
>
> 73, Barry N1EU
>
> ---------- Forwarded message ----------
> From: denton sprague <denton@...>
> Date: Thu, Apr 9, 2015 at 9:31 AM
> Subject: [TenTec] Fwd: Request to join orion565 denied
> To: Discussion of Ten-Tec Equipment <tentec@...>
>
>
> anyone else been having problems with orion565 yahoo group? I sent W2AJI, Mike, the moderator for this group, my call letters 3 times and got rejected.
>
> Begin forwarded message:
>
> > From: Yahoo Groups Notification <notify@yahoogroups.com>
> > Subject: Request to join orion565 denied
> > Date: April 9, 2015 at 12:07:31 AM PDT
> > To: denton@...
> >
> >
> > Hello,
> >
> > Your request to join the orion565 group was not approved.
> > Your membership was automatically rejected because the moderator didn't
> > approve it within 14 days. We do this to provide a high quality
> > of service for our users.
> >

> > If you want, you may attempt to join this group again.
> >
> > You may find other groups to join by searching or browsing the
> > Groups directory:
> > http://groups.yahoo.com
> >
> > If you would like to create your own group, please visit:
> > http://groups.yahoo.com/start
> >
> > Thank you for choosing Yahoo Groups.
> >
> >
> > Regards,
> >
> > Yahoo Groups Customer Care
> >
> > Your use of Yahoo Groups is subject to
http://info.yahoo.com/legal/us/yahoo/utos/terms/
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>
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> TenTec mailing list
> TenTec@...
> http://lists.contesting.com/mailman/listinfo/tentec
>
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>
>

10524. Re: [orion565] Fwd: [TenTec] Fwd: Request to join orion565 denied

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-09 22:18:40 UTC
From: Barry N1EU
Topic: 10521 Message: 10524

Mike, I wonder if emails are ending up marked as SPAM so folks are missing
messages. Oh well

73, Barry N1EU

On Thu, Apr 9, 2015 at 9:00 PM, Mike Schatzberg
cherokeehillfarm@... [orion565] <orion565@...m> wrote:

>
>
> Barry, I never received any reply for my repeated requests for his call
> sign from this gentleman. When I finally received his complaint of no
> membership, it came unsigned and without call sign. I got that email just
> fine.
>
> The server automatically rejects subscriptions after a set period of time,
> and that is what happened.
>
> This is the first complaint in all the years I'm handling this reflector,
> you decide if it was mishandled.
>
>
> 73,
>
> Mike
> W2AJI
> Owner Orion 565/566
>
>
>
> Sent from my iPhone
>
> On Apr 9, 2015, at 10:13 AM, Barry N1EU barry.n1eu@gmail.com [orion565] <
> orion565@yahoogroups.com> wrote:
>
> This is somewhat concerning. Can we appoint an additional 1 or 2
> moderator/administrators for the group just to be safe?
>
> 73, Barry N1EU
>
> ---------- Forwarded message ----------
> From: denton sprague <denton@...>
> Date: Thu, Apr 9, 2015 at 9:31 AM
> Subject: [TenTec] Fwd: Request to join orion565 denied
> To: Discussion of Ten-Tec Equipment <tentec@...>
>

>
> anyone else been having problems with orion565 yahoo group? I sent W2AJI,
> Mike, the moderator for this group, my call letters 3 times and got
> rejected.
>
> Begin forwarded message:
>
> > From: Yahoo Groups Notification <notify@yahoogroups.com>
> > Subject: Request to join orion565 denied
> > Date: April 9, 2015 at 12:07:31 AM PDT
> > To: denton@...
> >
> >
> > Hello,
> >
> > Your request to join the orion565 group was not approved.
> > Your membership was automatically rejected because the moderator didn't
> > approve it within 14 days. We do this to provide a high quality
> > of service for our users.
> >
> > If you want, you may attempt to join this group again.
> >
> > You may find other groups to join by searching or browsing the
> > Groups directory:
> > http://groups.yahoo.com
> >
> > If you would like to create your own group, please visit:
> > http://groups.yahoo.com/start
> >
> > Thank you for choosing Yahoo Groups.
> >
> >
> > Regards,
> >
> > Yahoo Groups Customer Care
> >
> > Your use of Yahoo Groups is subject to
> http://info.yahoo.com/legal/us/yahoo/utos/terms/
> >
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>
> _____
> TenTec mailing list
> TenTec@...
> http://lists.contesting.com/mailman/listinfo/tentec
>
>
>

10525. Re: [orion565] Fwd: [TenTec] Fwd: Request to join orion565 denied

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-09 23:41:20 UTC
From: Mike Schatzberg
Topic: 10521 Message: 10525

Well, then they wind up in my spam folder which I also check. But the 565/566 reflector produces almost zero spam due to careful monitoring for years.

The Ten Tec Reflector on the other hand is a real challenge with typically 100 spam emails per day, which I have to sort thru.

Both reflectors require a requested call sign, to keep the 565/566 reflector clean of spam and to continue the work to clean up the Ten Tec Reflector.

I just wish folks would read the subscription directions and kindly comply. I'm putting in a good amount of effort without chasing down potential bots.

73,

Mike W2AJI

Sent from my iPhone

> On Apr 9, 2015, at 6:18 PM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Mike, I wonder if emails are ending up marked as SPAM so folks are missing messages. Oh well
>
> 73, Barry N1EU
>
>> On Thu, Apr 9, 2015 at 9:00 PM, Mike Schatzberg cherokeehillfarm@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>> Barry, I never received any reply for my repeated requests for his call sign from this gentleman. When I finally received his complaint of no membership, it came unsigned and without call sign. I got that email just fine.
>>
>> The server automatically rejects subscriptions after a set period of time, and that is what happened.
>>
>> This is the first complaint in all the years I'm handling this reflector, you decide if it was mishandled.
>>
>>
>> 73,
>>
>> Mike
>> W2AJI
>> Owner Orion 565/566

>>
>>
>>
>> Sent from my iPhone
>>
>>> On Apr 9, 2015, at 10:13 AM, Barry N1EU barry.n1eu@... [orion565]
<orion565@yahoogroups.com> wrote:
>>>
>>> This is somewhat concerning. Can we appoint an additional 1 or 2
moderator/administrators for the group just to be safe?
>>>
>>> 73, Barry N1EU
>>>
>>> ---------- Forwarded message ----------
>>> From: denton sprague <denton@...>
>>> Date: Thu, Apr 9, 2015 at 9:31 AM
>>> Subject: [TenTec] Fwd: Request to join orion565 denied
>>> To: Discussion of Ten-Tec Equipment <tentec@...>
>>>
>>>
>>> anyone else been having problems with orion565 yahoo group? I sent W2AJI, Mike, the
moderator for this group, my call letters 3 times and got rejected.
>>>
>>> Begin forwarded message:
>>>
>>> > From: Yahoo Groups Notification <notify@yahoogroups.com>
>>> > Subject: Request to join orion565 denied
>>> > Date: April 9, 2015 at 12:07:31 AM PDT
>>> > To: denton@...
>>> >
>>> >
>>> > Hello,
>>> >
>>> > Your request to join the orion565 group was not approved.
>>> > Your membership was automatically rejected because the moderator didn't
>>> > approve it within 14 days. We do this to provide a high quality
>>> > of service for our users.
>>> >
>>> > If you want, you may attempt to join this group again.
>>> >
>>> > You may find other groups to join by searching or browsing the
>>> > Groups directory:
>>> > http://groups.yahoo.com
>>> >
>>> > If you would like to create your own group, please visit:
>>> > http://groups.yahoo.com/start
>>> >
>>> > Thank you for choosing Yahoo Groups.
>>> >
>>> >

>>> > Regards,
>>> >
>>> > Yahoo Groups Customer Care
>>> >
>>> > Your use of Yahoo Groups is subject to
http://info.yahoo.com/legal/us/yahoo/utos/terms/
>>> >
>>> >
>>> >
>>> >
>>>
>>> _____
>>> TenTec mailing list
>>> TenTec@contesting.com
>>> http://lists.contesting.com/mailman/listinfo/tentec
>>>
>>
>
>
>
>

10526. Re: [orion565] Fwd: [TenTec] Fwd: Request to join orion565 denied

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-10 00:01:11 UTC
From: Stephen Cannon
Topic: 10521 Message: 10526

In all fairness to the moderator, a quick check of FCC records shows
only one Denton Sprague and his FRN came back as:

Page 1

Call Sign/Lease ID Name FRN Radio Service Status Expiration Date
1 K4AK
<http://wireless2.fcc.gov/UlsApp/UlsSearch/license.jsp?licKey=243709>
Sprague, Denton E 0010211639 HA Canceled 04/12/2014
Call Sign/Lease ID Name FRN Radio Service Status Expiration Date

Steve AD7TD

On 4/9/2015 4:18 PM, Barry N1EU barry.n1eu@... [orion565] wrote:
> Mike, I wonder if emails are ending up marked as SPAM so folks are
> missing messages. Oh well
>
> 73, Barry N1EU
>
> On Thu, Apr 9, 2015 at 9:00 PM, Mike Schatzberg
> cherokeehillfarm@... <mailto:cherokeehillfarm@...>
> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> Barry, I never received any reply for my repeated requests for his
> call sign from this gentleman. When I finally received his
> complaint of no membership, it came unsigned and without call
> sign. I got that email just fine.
>
> The server automatically rejects subscriptions after a set period
> of time, and that is what happened.
>
> This is the first complaint in all the years I'm handling this
> reflector, you decide if it was mishandled.
>
>
> 73,
>
> Mike
> W2AJI
> Owner Orion 565/566
>
>
>
> Sent from my iPhone
>

> On Apr 9, 2015, at 10:13 AM, Barry N1EU barry.n1eu@...
> <mailto:barry.n1eu@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
>> This is somewhat concerning. Can we appoint an additional 1 or 2
>> moderator/administrators for the group just to be safe?
>>
>> 73, Barry N1EU
>>
>> ---------- Forwarded message ----------
>> From: *denton sprague* <denton@...
>> <mailto:denton@...>>
>> Date: Thu, Apr 9, 2015 at 9:31 AM
>> Subject: [TenTec] Fwd: Request to join orion565 denied
>> To: Discussion of Ten-Tec Equipment <tentec@...
>> <mailto:tentec@...>>
>>
>>
>> anyone else been having problems with orion565 yahoo group? I
>> sent W2AJI, Mike, the moderator for this group, my call letters 3
>> times and got rejected.
>>
>> Begin forwarded message:
>>
>> > From: Yahoo Groups Notification <notify@yahoogroups.com
>> <mailto:notify@yahoogroups.com>>
>> > Subject: Request to join orion565 denied
>> > Date: April 9, 2015 at 12:07:31 AM PDT
>> > To: denton@... <mailto:denton@...>
>> >
>> >
>> > Hello,
>> >
>> > Your request to join the orion565 group was not approved.
>> > Your membership was automatically rejected because the
>> moderator didn't
>> > approve it within 14 days. We do this to provide a high quality
>> > of service for our users.
>> >
>> > If you want, you may attempt to join this group again.
>> >
>> > You may find other groups to join by searching or browsing the
>> > Groups directory:
>> > http://groups.yahoo.com
>> >
>> > If you would like to create your own group, please visit:
>> > http://groups.yahoo.com/start
>> >
>> > Thank you for choosing Yahoo Groups.
>> >

>> >
>> > Regards,
>> >
>> > Yahoo Groups Customer Care
>> >
>> > Your use of Yahoo Groups is subject to
>> http://info.yahoo.com/legal/us/yahoo/utos/terms/
>> >
>> >
>> >
>> >
>>
>> _____
>> TenTec mailing list
>> TenTec@... <mailto:TenTec@...>
>> http://lists.contesting.com/mailman/listinfo/tentec
>>
>
>

10527. Re: [orion565] Fwd: [TenTec] Fwd: Request to join orion565 denied

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-10 01:07:58 UTC
From: Mike Schatzberg
Topic: 10521 Message: 10527

Thanks Steve,

So, now everyone knows why I got no response, despite the fact that the gentleman claims to have sent his call sign three times.

I'll just keep on moderating the way I have.

Got to admire the chutzpah of taking this to the whole of the Ten Tec users. I guess maybe you can't believe everything you read on a reflector.

Shall we vote on the cancellation of his Ten Tec Reflector subscription?

Kinda sad.

73 folks,

Mike
W2AJI
Owner Orion 565/566 Reflector

Sent from my iPhone

> On Apr 9, 2015, at 8:01 PM, Stephen Cannon sugar_bears_home@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> In all fairness to the moderator, a quick check of FCC records shows only one Denton Sprague and his FRN came back as:
>
> Page 1
> Call Sign/Lease ID Name FRN Radio Service Status Expiration Date
> 1 K4AK Sprague, Denton E 0010211639 HA Canceled 04/12/2014
> Call Sign/Lease ID Name FRN Radio Service Status Expiration Date
>
> Steve AD7TD
>
>
>> On 4/9/2015 4:18 PM, Barry N1EU barry.n1eu@... [orion565] wrote:
>>
>> Mike, I wonder if emails are ending up marked as SPAM so folks are missing messages. Oh well
>>
>> 73, Barry N1EU
>>
>> On Thu, Apr 9, 2015 at 9:00 PM, Mike Schatzberg cherokeehillfarm@... [orion565] <orion565@yahoogroups.com> wrote:

>>>
>>> Barry, I never received any reply for my repeated requests for his call sign from this gentleman. When I finally received his complaint of no membership, it came unsigned and without call sign. I got that email just fine.
>>>
>>> The server automatically rejects subscriptions after a set period of time, and that is what happened.
>>>
>>> This is the first complaint in all the years I'm handling this reflector, you decide if it was mishandled.
>>>
>>>
>>> 73,
>>>
>>> Mike
>>> W2AJI
>>> Owner Orion 565/566
>>>
>>>
>>>
>>> Sent from my iPhone
>>>
>>> On Apr 9, 2015, at 10:13 AM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>>>
>>>> This is somewhat concerning. Can we appoint an additional 1 or 2 moderator/administrators for the group just to be safe?
>>>>
>>>> 73, Barry N1EU
>>>>
>>>> ---------- Forwarded message ----------
>>>> From: denton sprague <denton@oregontrail.net>
>>>> Date: Thu, Apr 9, 2015 at 9:31 AM
>>>> Subject: [TenTec] Fwd: Request to join orion565 denied
>>>> To: Discussion of Ten-Tec Equipment <tentec@...>
>>>>
>>>>
>>>> anyone else been having problems with orion565 yahoo group? I sent W2AJI, Mike, the moderator for this group, my call letters 3 times and got rejected.
>>>>
>>>> Begin forwarded message:
>>>>
>>>> > From: Yahoo Groups Notification <notify@yahoogroups.com>
>>>> > Subject: Request to join orion565 denied
>>>> > Date: April 9, 2015 at 12:07:31 AM PDT
>>>> > To: denton@...
>>>> >
>>>> >
>>>> > Hello,
>>>> >

>>>> > Your request to join the orion565 group was not approved.
>>>> > Your membership was automatically rejected because the moderator didn't
>>>> > approve it within 14 days. We do this to provide a high quality
>>>> > of service for our users.
>>>> >
>>>> > If you want, you may attempt to join this group again.
>>>> >
>>>> > You may find other groups to join by searching or browsing the
>>>> > Groups directory:
>>>> > http://groups.yahoo.com
>>>> >
>>>> > If you would like to create your own group, please visit:
>>>> > http://groups.yahoo.com/start
>>>> >
>>>> > Thank you for choosing Yahoo Groups.
>>>> >
>>>> >
>>>> > Regards,
>>>> >
>>>> > Yahoo Groups Customer Care
>>>> >
>>>> > Your use of Yahoo Groups is subject to
http://info.yahoo.com/legal/us/yahoo/utos/terms/
>>>> >
>>>> >
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>>>> >
>>>>
>>>> _____
>>>> TenTec mailing list
>>>> TenTec@...
>>>> http://lists.contesting.com/mailman/listinfo/tentec
>
>
>
>

10528. RE: [orion565] Fwd: [TenTec] Fwd: Request to join orion565 denied

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-10 01:49:39 UTC
From: Wes Attaway (N5WA)
Topic: 10521 Message: 10528

Mike ... keep doing your usual good job!

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com <http://www.attawayforensics.com>

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, April 09, 2015 8:08 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Fwd: [TenTec] Fwd: Request to join orion565 denied

Thanks Steve,

So, now everyone knows why I got no response, despite the fact that the
gentleman claims to have sent his call sign three times.

I'll just keep on moderating the way I have.

Got to admire the chutzpah of taking this to the whole of the Ten Tec users.
I guess maybe you can't believe everything you read on a reflector.

Shall we vote on the cancellation of his Ten Tec Reflector subscription?

Kinda sad.

73 folks,

Mike

W2AJI

Owner Orion 565/566 Reflector

Sent from my iPhone

On Apr 9, 2015, at 8:01 PM, Stephen Cannon sugar_bears_home@...
[orion565] <orion565@yahoogroups.com> wrote:

In all fairness to the moderator, a quick check of FCC records shows only
one Denton Sprague and his FRN came back as:

Page 1

Call Sign/Lease ID

Name

FRN

Radio Service

Status

Expiration Date

1

K4AK <http://wireless2.fcc.gov/UlsApp/UlsSearch/license.jsp?licKey=243709>

Sprague, Denton E

0010211639

HA

Canceled

04/12/2014

Call Sign/Lease ID

Name

FRN

Radio Service

Status

Expiration Date

Steve AD7TD

On 4/9/2015 4:18 PM, Barry N1EU barry.n1eu@... [orion565] wrote:

Mike, I wonder if emails are ending up marked as SPAM so folks are missing messages. Oh well

73, Barry N1EU

On Thu, Apr 9, 2015 at 9:00 PM, Mike Schatzberg cherokeehillfarm@... [orion565] <orion565@yahoogroups.com> wrote:

Barry, I never received any reply for my repeated requests for his call sign from this gentleman. When I finally received his complaint of no membership, it came unsigned and without call sign. I got that email just fine.

The server automatically rejects subscriptions after a set period of time,
and that is what happened.

This is the first complaint in all the years I'm handling this reflector,
you decide if it was mishandled.

73,

Mike

W2AJI

Owner Orion 565/566

Sent from my iPhone

On Apr 9, 2015, at 10:13 AM, Barry N1EU barry.n1eu@... [orion565]
<orion565@yahoogroups.com> wrote:

This is somewhat concerning. Can we appoint an additional 1 or 2
moderator/administrators for the group just to be safe?

73, Barry N1EU

---------- Forwarded message ----------
From: denton sprague <denton@...>
Date: Thu, Apr 9, 2015 at 9:31 AM
Subject: [TenTec] Fwd: Request to join orion565 denied
To: Discussion of Ten-Tec Equipment <tentec@...>

anyone else been having problems with orion565 yahoo group? I sent W2AJI,
Mike, the moderator for this group, my call letters 3 times and got
rejected.

Begin forwarded message:

> From: Yahoo Groups Notification <notify@yahoogroups.com>
> Subject: Request to join orion565 denied
> Date: April 9, 2015 at 12:07:31 AM PDT
> To: denton@...
>
>
> Hello,
>
> Your request to join the orion565 group was not approved.
> Your membership was automatically rejected because the moderator didn't
> approve it within 14 days. We do this to provide a high quality
> of service for our users.
>
> If you want, you may attempt to join this group again.
>
> You may find other groups to join by searching or browsing the
> Groups directory:
> http://groups.yahoo.com

>
> If you would like to create your own group, please visit:
> http://groups.yahoo.com/start
>
> Thank you for choosing Yahoo Groups.
>
>
> Regards,
>
> Yahoo Groups Customer Care
>
> Your use of Yahoo Groups is subject to
http://info.yahoo.com/legal/us/yahoo/utos/terms/
>
>
>
>

_____
TenTec mailing list
TenTec@...
http://lists.contesting.com/mailman/listinfo/tentec

10529. 565 keyer problem. Experience? Advice?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-11 15:35:59 UTC
From: katz.ajamas@...
Topic: 10529 Message: 10529

With the keyer enabled, there is a continuous stream of dashes.
I do not see 5V on the ring of the paddle connection.
I do see 5V on the tip.
If I ground the tip, alternate dot-dash results.
If I provide 5V, through a 10k R, to the dash line, there is no difference.
This suggests that the line is being pulled low somewhere.

There is a keyer interface shown on the A7 diagram "81917_4 Drivers some spares".
Alas, Tentec does not provide photos of the boards showing parts location.

I would rather be working on other projects and am willing to make someone a good deal on this 565.
If interested, let me know $ to your door.

TX works.SSB and CW.
Main RX works.
It has 4 filters. AM SSB 1.8KHz 1kHz
New battery for memory.
Sharp display.

73, Bob ah7i/w4

10530. Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-11 15:40:59 UTC
From: blauchlin@...
Topic: 10530 Message: 10530

Just got my radio back from ten tec been gone a long time band scope does not pic up weak signals very well i can't remeber if it all ways been like that ???

10531. Re: [orion565] Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-11 16:07:06 UTC
From: Tony Sokol
Topic: 10530 Message: 10531

Yes, my Orion II is the same. I decided to add the 9 MHz tap for an outboard panadapter that works great. You can scroll to the bottom of my QRZ page and see a short clip of the comparison.

73
Tony -W9JXN

Sent from my iPad

> On Apr 11, 2015, at 10:40 AM, blauchlin@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Just got my radio back from ten tec been gone a long time band scope does not pic up weak signals very well i can't remeber if it all ways been like that ???
>
>

10532. Re: [orion565] Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-11 16:13:41 UTC
From: blauchlin@...
Topic: 10530 Message: 10532

Thanks i will go have a look ..

Brent
VE7SHM

10533. Re: [orion565] Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-11 23:41:50 UTC
From: Phil Chambley Sr
Topic: 10530 Message: 10533

Tony

Couple questions.....

Did you set the gain resistor on the 9 Mc buffer/amp stage to unity or
give it some gain?

What software are you using for the display? I'm not familiar with the P3.

Thanks

Phil C. Sr.
k4dpk 1955

On 4/11/2015 12:07 PM, Tony Sokol tonysokol@... [orion565] wrote:
> Yes, my Orion II is the same. I decided to add the 9 MHz tap for an
> outboard panadapter that works great. You can scroll to the bottom of
> my QRZ page and see a short clip of the comparison.
>
> 73
> Tony -W9JXN
>
>
>
> Sent from my iPad
>
> On Apr 11, 2015, at 10:40 AM, blauchlin@...
> <mailto:blauchlin@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
>> Just got my radio back from ten tec been gone a long time band scope
>> does not pic up weak signals very well i can't remeber if it all ways
>> been like that ???
>>
>

10534. Re: [orion565] Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-11 23:48:20 UTC
From: Barry N1EU
Topic: 10530 Message: 10534

The general recommendation is 0dB gain for the Z10000 buffer amp in the Orion.

Tony isn't using software, he's using an Elecraft P3. The other (more popular) option is LP-PAN hardware plus NaP3 software.

(NICE shack, Tony!)

Barry N1EU

On Sat, Apr 11, 2015 at 11:41 PM, Phil Chambley Sr k4dpk@comcast.net [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Tony
>
> Couple questions.....
>
> Did you set the gain resistor on the 9 Mc buffer/amp stage to unity or
> give it some gain?
>
> What software are you using for the display? I'm not familiar with the P3.
>
> Thanks
>
> Phil C. Sr.
> k4dpk 1955
>
> On 4/11/2015 12:07 PM, Tony Sokol tonysokol@... [orion565]
> wrote:
>
>
> Yes, my Orion II is the same. I decided to add the 9 MHz tap for an
> outboard panadapter that works great. You can scroll to the bottom of my
> QRZ page and see a short clip of the comparison.
>
> 73
> Tony -W9JXN
>
>
>
> Sent from my iPad
>
> On Apr 11, 2015, at 10:40 AM, blauchlin@... [orion565] <
> orion565@yahoogroups.com> wrote:

>
>
>
> Just got my radio back from ten tec been gone a long time band scope does
> not pic up weak signals very well i can't remeber if it all ways been like
> that ???
>
>
>
>

10535. Re: [orion565] Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-11 23:56:32 UTC
From: Phil Chambley Sr
Topic: 10530 Message: 10535

Thanks, Barry.

Phil C. Sr.
k4dpk 1955

On 4/11/2015 7:48 PM, Barry N1EU barry.n1eu@... [orion565] wrote:
> The general recommendation is 0dB gain for the Z10000 buffer amp in
> the Orion.
>
> Tony isn't using software, he's using an Elecraft P3. The other (more
> popular) option is LP-PAN hardware plus NaP3 software.
>
> (NICE shack, Tony!)
>
> Barry N1EU
>
> On Sat, Apr 11, 2015 at 11:41 PM, Phil Chambley Sr k4dpk@...
> <mailto:k4dpk@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> Tony
>
> Couple questions.....
>
> Did you set the gain resistor on the 9 Mc buffer/amp stage to
> unity or give it some gain?
>
> What software are you using for the display? I'm not familiar
> with the P3.
>
> Thanks
>
> Phil C. Sr.
> k4dpk 1955
>
> On 4/11/2015 12:07 PM, Tony Sokol tonysokol@...
> <mailto:tonysokol@...> [orion565] wrote:
>> Yes, my Orion II is the same. I decided to add the 9 MHz tap for
>> an outboard panadapter that works great. You can scroll to the
>> bottom of my QRZ page and see a short clip of the comparison.
>>
>> 73
>> Tony -W9JXN
>>
>>

>>
>> Sent from my iPad
>>
>> On Apr 11, 2015, at 10:40 AM, blauchlin@...
>> <mailto:blauchlin@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
>>
>>> Just got my radio back from ten tec been gone a long time band
>>> scope does not pic up weak signals very well i can't remeber if
>>> it all ways been like that ???
>>>
>
>
>

10536. Re: [orion565] Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-12 01:35:19 UTC
From: Tony Sokol
Topic: 10530 Message: 10536

Yup, Barry is correct. When I ordered the amp I ordered the assembled one and told him what it was for. I figured for the small amount extra he could fiddle with the surface mount components and I would not be on my hands and knees under the bench searching for them. He even included a couple of pieces of mini coax and the A+ and GND leads along with mounting hardware. The main purpose is for isolation so you do not load down the IF circuit hence unity gain is all that you need.
I bit the bullet and went with the Elecraft P3 (read $$$) because it is a stand-alone unit. No computer required and it can be powered from the 12 volts on the back of the Orion. You can program the P3 for just about any IF frequency up to around 22 Mhz so I figure I can use it with just about anything...except the Omni VII. Even then a down converter might work.
A friend who had the entire K-Line from Elecraft used the P3 for a while also but then he tried the LP-PAN II and loves it. It is much prettier but requires a computer so I am sticking with the P3 for now.

73
Tony

On 4/11/2015 6:41 PM, Phil Chambley Sr k4dpk@... [orion565] wrote:
>
> Tony
>
> Couple questions.....
>
> Did you set the gain resistor on the 9 Mc buffer/amp stage to unity or
> give it some gain?
>
> What software are you using for the display? I'm not familiar with
> the P3.
>
> Thanks
>
> Phil C. Sr.
> k4dpk 1955
>
> On 4/11/2015 12:07 PM, Tony Sokol tonysokol@... [orion565]
> wrote:
>> Yes, my Orion II is the same. I decided to add the 9 MHz tap for an
>> outboard panadapter that works great. You can scroll to the bottom of
>> my QRZ page and see a short clip of the comparison.
>>
>> 73

>> Tony -W9JXN
>>
>>
>>
>> Sent from my iPad
>>
>> On Apr 11, 2015, at 10:40 AM, blauchlin@...
>> <mailto:blauchlin@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
>>
>>> Just got my radio back from ten tec been gone a long time band scope
>>> does not pic up weak signals very well i can't remeber if it all
>>> ways been like that ???
>>>
>
>

10537. Re: [orion565] Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-12 09:04:07 UTC
From: pa1ap@...
Topic: 10530 Message: 10537

If external panadapter with computer is of interest I would recommend to extend the horizon a little by investigating DDC solutions. They are (end to end) cheaper as well provide broader sweep range if that's of interest.

On a budget you can use the RTL-SDR stick with direct sampling and my experience is very positive with this solution. It just works and for about $10 this solution cannot be competed with ;-)

A more robust DDC solution could be based on SDRPLAY (SDRplay http://www.sdrplay.com) and you could even include a mini computer such as Intel NUC (N2820)... With $150 for SDRPLAY and about the same for the NUC you would end up with complete control station for about $300. Well, ok.. I assume here that monitor, keyboard and mouse are already available.

I don't understand why audio card based SDR is still considered as a viable solution. Its outdated.

Regards, Onno, pa1ap

http://www.sdrplay.com

SDRplay http://www.sdrplay.com SDRplay home page

View on www.sdrplay.com http://www.sdrplay.com
Preview by Yahoo

10538. Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-12 13:30:44 UTC
From: blauchlin@...
Topic: 10538 Message: 10538

I got my radio back on Friday so i have not had much of a chance to try it other than noticing the band scope seem mostly dead .But now that i have gave it a work out last night both receivers seem like the attn is on but its not the radio seem almost normal with the preamp on ..Normal i would set RF gain at 70 % with 12 db of attn but now i need the preamp to get it to work normal ......

VE7SHM

10539. Re: Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-12 14:54:42 UTC
From: pa1ap@...
Topic: 10538 Message: 10539

My guess is that the threshold is set to 5uV... somehow that became a default value. Check the RX menu for RX threshold value. If its @ 5uV just turn it down to 0.037 or whatever is the smallest value. Hope this helps, best regards, Onno

10540. Re: [orion565] Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-12 14:48:58 UTC
From: Barry N1EU
Topic: 10538 Message: 10540

Why are you using 12dB attenuation? You lose 2 bits of digital processing that way. The only time I'd ever use attenuation is if the hardware AGC kicks in (approx s9+30dB).

Leave attenuation off and preamp on all the time unless you got those super strong signals.

73,
Barry N1EU

On Sun, Apr 12, 2015 at 1:30 PM, blauchlin@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I got my radio back on Friday so i have not had much of a chance to try it
> other than noticing the band scope seem mostly dead .But now that i have
> gave it a work out last night both receivers seem like the attn is on but
> its not the radio seem almost normal with the preamp on ..Normal i would
> set RF gain at 70 % with 12 db of attn but now i need the preamp to get it
> to work normal ......
>
>
>
>
> VE7SHM
>
>

10541. RigExpert Deluxe and N1MM

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-13 00:12:39 UTC
From: aa4yl@...
Topic: 10541 Message: 10541

I recently switched to an Orion from an Omni VII and having problems setting up N1MM and MMTTY for RTTY.

The CAT works fine and I am able to key Orion and send buffers.

My problem is not being able to receive incoming text. I have checked all of my settings and cannot find anything out of line.

Codec, sound card are correct in MMTTY

57600, 8N1, Handshake, Handshake in N1MM.

I would be grateful if someone using this setup might mention some things I might try.

Thank you and 73,

Cheryl, AA4YL

10542. Re: Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-13 12:46:46 UTC
From: katz.ajamas@...
Topic: 10538 Message: 10542

It should have decent performance with the default settings. If you have another receiver, check signal from the antenna or signal generator. Try different antenna combo (ant 1, ant2) from front. My old(lots of rev A boards)
Orion 1 had an intermittent Ant 1 connection that knocked a few S units off the signals.

As for running RF gain and preamp until AGC activates...I hit it from the opposite end and run just enough RF gain for the background noise with the antenna to be noticeably stronger than the
background noise with the dummy load. Of course, this varies with band and propagation conditions.
My reasoning is that this gives the most head room for handling strong signals. Other approaches may be better for a quiet environment. I live near the center of an 8+ million population metroplex. There is a lot of RF floating around. I can light an LED with the 12 to 16 dBm from the 80m loop!.

73, Bob ah7i/w4

10543. Re: Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-13 12:48:06 UTC
From: katz.ajamas@...
Topic: 10538 Message: 10543

"It should have decent performance with the default settings." = following a reset.
73, Bob ah7i

10544. Re: Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-13 13:26:52 UTC
From: blauchlin@...
Topic: 10538 Message: 10544

The radio seems normal with the preamp on with the preamp off my Jupiter receives better as i recall before it went for repair i never used the per-amp....(Radio needed a antenna switching board)......Band scope is useless with out per-amp on ....

10545. Re: Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-13 18:22:11 UTC
From: katz.ajamas@...
Topic: 10538 Message: 10545

Why was the antenna board replaced?

Ant 1 goes through the tuner.

Ant 2 does not
Aux ant is receive only(not connected to TX circuitry)
If signals are the same low level on both RX through all three... I'd study the circuit a bit and see if there is any commonality. Or I might just bypass the switch board and see how things sound. As always, take care with ESD if dealing with unprotected or lightly protected inputs.

Does the attenuator behave? 0, 6, 12, 18 dB It's on the BPF board.

The signal is getting lost somewhere. The Orion has plug in cables between the modules which makes it easier to discover where it is getting lost. Getting lost = attenuated where it's not supposed to be or not amplified where it is supposed to be.

73, Bob ah7i/w4

---In orion565@yahoogroups.com, <blauchlin@...> wrote :

The radio seems normal with the preamp on with the preamp off my Jupiter receives better as i recall before it went for repair i never used the per-amp....(Radio needed a antenna switching board).....Band scope is useless with out per-amp on ....

10546. Re: [orion565] Re: Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-13 18:39:10 UTC
From: Barry N1EU
Topic: 10538 Message: 10546

OP just said "the radio seems normal with the preamp on". I would
seriously consider the possibility that the radio IS normal.

Barry N1EU

On Mon, Apr 13, 2015 at 2:22 PM, katz.ajamas@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Why was the antenna board replaced?
>
> Ant 1 goes through the tuner.
> Ant 2 does not
> Aux ant is receive only(not connected to TX circuitry)
> If signals are the same low level on both RX through all three... I'd
> study the circuit a bit and see if there is any commonality. Or I might
> just bypass the switch board and see how things sound. As always, take care
> with ESD if dealing with unprotected or lightly protected inputs.
>
> Does the attenuator behave? 0, 6, 12, 18 dB It's on the BPF board.
>
> The signal is getting lost somewhere. The Orion has plug in cables between
> the modules which makes it easier to discover where it is getting lost.
> Getting lost = attenuated where it's not supposed to be or not amplified
> where it is supposed to be.
>
> 73, Bob ah7i/w4
>
>
>
>
> ---In orion565@yahoogroups.com, <blauchlin@...> wrote :
>
> The radio seems normal with the preamp on with the preamp off my Jupiter
> receives better as i recall before it went for repair i never used the
> per-amp....(Radio needed a antenna switching board)......Band scope is
> useless with out per-amp on ....
>
>
>

10547. Re: [orion565] Re: Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-14 23:23:30 UTC
From: leen3lpj
Topic: 10538 Message: 10547

Fella's , maybe just need to adjust the s-meter. Whomever the operator is, try adjusting the s-meter first. First push menu, then push receiver and then push the power button. The needle will be on s0 turn the main tuning knob to go to s1 then turn the multi knob to put the needle on s1. Adjust the main knob to s2 and use the multi knob to put the needle on s2. Then work your way up the scale till you get to the top. The numbers will go up but will top out at 255. This happened to me a while ago and then I learned how to adjust the meter. I don't usually use the preamp except for the higher bands, 10 and 15 mtrs.
Just my 2 cents, I hope it works.
Lee, N3LPJ

Barry N1EU barry.n1eu@... [orion565]
To: Orion565
Sent: Monday, April 13, 2015 2:39 PM
Subject: Re: [orion565] Re: Poor recieve Orion 1

OP just said "the radio seems normal with the preamp on". I would seriously consider the possibility that the radio IS normal.

Barry N1EU

On Mon, Apr 13, 2015 at 2:22 PM, katz.ajamas@... [orion565] <orion565@yahoogroups.com> wrote:

Why was the antenna board replaced?

Ant 1 goes through the tuner.

Ant 2 does not

Aux ant is receive only(not connected to TX circuitry)
If signals are the same low level on both RX through all three... I'd study the circuit a bit and see if there is any commonality. Or I might just bypass the switch board and see how things sound. As always, take care with ESD if dealing with unprotected or lightly protected inputs.

Does the attenuator behave? 0, 6, 12, 18 dB It's on the BPF board.

The signal is getting lost somewhere. The Orion has plug in cables between the modules which makes it easier to discover where it is getting lost. Getting lost = attenuated where it's not supposed to be or not amplified where it is supposed to be.

73, Bob ah7i/w4

---In orion565@yahoogroups.com, <blauchlin@...> wrote :

The radio seems normal with the preamp on with the preamp off my Jupiter receives better as i recall before it went for repair i never used the per-amp....(Radio needed a antenna switching board)......Band scope is useless with out per-amp on ....

10548. Re: [orion565] Re: Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-14 23:30:36 UTC
From: Tony
Topic: 10538 Message: 10548

Don't forget that for S9+60dB you have to set it to zero (0)

73, Tony VE3DWI.?

Sent?from?my?BlackBerry?10?smartphone?on?the?Bell?network.

From: 'leen3lpj' leen3lpj@... [orion565]
Sent: Tuesday, April 14, 2015 19:23
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Poor recieve Orion 1

?

☐
??? Fella's , maybe just need to adjust the s-meter.? Whomever the operator is, try adjusting the s-meter first.? First push menu, then push receiver and then push the power button.? The needle will be on s0 turn the main tuning knob to go to s1 then turn the multi knob to put the needle on s1.? Adjust the main knob to s2? and use the multi knob to put the needle on s2.? Then work your way up the scale till you get to the top.? The numbers will go up but will top out at 255.? This happened to me a while ago and then I learned how to adjust the meter.? I don't usually use the preamp except for the higher bands, 10 and 15 mtrs.

??? Just my 2 cents, I hope it works.

? ? ??? ??? ??? ??? ??? ??? ??? ?? ??? ??? ??? ?? Lee,? N3LPJ

?

? ?????????? Barry N1EU barry.n1eu@... [orion565]

To: Orion565

Sent: Monday, April 13, 2015 2:39 PM

Subject: Re: [orion565] Re: Poor recieve Orion 1

?

OP just said "the radio seems normal with the preamp on".? I would seriously consider the possibility that the radio IS normal.

Barry N1EU

On Mon, Apr 13, 2015 at 2:22 PM, katz.ajamas@... [orion565] <orion565@yahoogroups.com> wrote:

?

Why was the antenna board replaced?

Ant 1 goes through the tuner.

Ant 2 does not?

Aux ant is receive only(not connected to TX circuitry)

If signals are the same low level on both RX through all three... I'd study the circuit a bit and see if there is any commonality. Or I might just bypass the switch board and see how things sound. As always, take care with ESD if dealing with unprotected or lightly protected inputs.

Does the attenuator behave? 0, 6, 12, 18 dB It's on the BPF board.

The signal is getting lost somewhere. The Orion has plug in cables between the modules which makes it easier to discover where it is getting lost. Getting lost = attenuated where it's not supposed to be or not amplified where it is supposed to be.

73, Bob ah7i/w4

---In orion565@yahoogroups.com, wrote :

The radio seems normal with the preamp on with the preamp off my Jupiter receives better as i recall before it went for repair i never used the per-amp....(Radio needed a antenna switching board).....Band scope is useless with out per-amp on ....?

10549. Adjusting Carrier point on Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-15 00:52:51 UTC
From: Phil Chambley Sr
Topic: 10549 Message: 10549

Gentlemen

How does one go about moving the carrier frequencies on the various modes on the O-II?

Thank you.

Phil C. Sr.
k4dpk 1955

10550. Re: Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-15 06:02:23 UTC
From: Onno PA1AP
Topic: 10538 Message: 10550

This actually depends on the firmware version. Some recent firmware version set rx threshokd to 5uV and hence when returned to default the receiver might be more silent..... just check the rx menu to ensure the rx threshold is set to minimum value.

10551. Re: [orion565] Adjusting Carrier point on Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-15 09:56:37 UTC
From: Barry N1EU
Topic: 10549 Message: 10551

In general, one doesn't.

Barry N1EU

On Tue, Apr 14, 2015 at 8:52 PM, Phil Chambley Sr k4dpk@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Gentlemen
>
> How does one go about moving the carrier frequencies on the various
> modes on the O-II?
>
> Thank you.
>
> Phil C. Sr.
> k4dpk 1955
>
>

10552. Re: Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-15 13:24:58 UTC
From: blauchlin@...
Topic: 10538 Message: 10552

I compared the main receiver to the auxiliary receiver the auxiliary out performs the main on weak signals all thing being equal ..The radio has the latest firm ware ..rx thresholdis is set to lowest setting ...

10553. RE: [orion565] Re: Poor recieve Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-15 13:27:36 UTC
From: Duane Calvin
Topic: 10538 Message: 10553

Did your original post say you had just gotten the Orion back from TT? If so, I'd definitely call them at this point.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Wednesday, April 15, 2015 8:25 AM
To: orion565@...m
Subject: [orion565] Re: Poor recieve Orion 1

I compared the main receiver to the auxiliary receiver the auxiliary out performs the main on weak signals all thing being equal ..The radio has the latest firm ware ..rx thresholdis is set to lowest setting ...

10554. Re: [orion565] Adjusting Carrier point on Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-15 17:39:57 UTC
From: K Van Horn
Topic: 10549 Message: 10554

Dear Phil,

The Orion 2 (O2) does not do this in the way that older radios do it (separate Local Oscillators.) The DSP chips do this processing internally, so if the USB and LSB sigs are significantly off, one of the ANALOG DEVICES DSP chips on the main logic board is probably damaged.

73,
Kirby, k7ec

From: mailto:orion565@yahoogroups.com
Sent: Tuesday, 14 April, 2015 18:52
To: orion565@yahoogroups.com
Subject: [orion565] Adjusting Carrier point on Orion II

Gentlemen

How does one go about moving the carrier frequencies on the various
modes on the O-II?

Thank you.

Phil C. Sr.
k4dpk 1955

10555. Re: [orion565] Adjusting Carrier point on Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-15 18:05:40 UTC
From: Phil Chambley Sr
Topic: 10549 Message: 10555

Hey Kirby,

Thanks much for the explanation. I thought that might be the case, but
didn't know whether there was a hidden menu or somesuch I didn't know about.

Great to hear from you. I'll send a separate e-mail and fill you in on
goings-on.

Very best regards

Phil C. Sr.
k4dpk 1955

On 4/15/2015 1:39 PM, 'K Van Horn' k7ec@... [orion565] wrote:
>
> Dear Phil,
> The Orion 2 (O2) does not do this in the way that older radios do it
> (separate Local Oscillators.) The DSP chips do this processing
> internally, so if the USB and LSB sigs are significantly off, one of
> the ANALOG DEVICES DSP chips on the main logic board is probably damaged.
> 73,
> Kirby, k7ec
> *From:* mailto:orion565@yahoogroups.com
> *Sent:* Tuesday, 14 April, 2015 18:52
> *To:* orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> *Subject:* [orion565] Adjusting Carrier point on Orion II
>
> Gentlemen
>
> How does one go about moving the carrier frequencies on the various
> modes on the O-II?
>
> Thank you.
>
> Phil C. Sr.
> k4dpk 1955
>
>

10556. Cooling Fan in Place of Speaker

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-20 17:19:41 UTC
From: k1fpv@...
Topic: 10556 Message: 10556

Some time back, it was discussed here on this forum about removing the top mounted speaker and substituting a cooling fan in it's place. John Henry had mentioned that it would be interesting to see what effects were noticed. I did this and ran my Orion II this way for about 6 months. Here are the results:

1. The radio runs quite a bit cooler while receiving. Needless to say, it had no effect on the heat sink temperature if I transmitted quite a bit. However, I'm sure running at a cooler temperature over a long time can't hurt anything and most likely would prolong component life.

2. This next effect is a negative result. I found that as the transceiver supposedly warmed, the TCXO wound up off frequency making my dial read about 80 Hz. off. I realized this as I noticed the frequency readout error compared to that of other stations. I was going to adjust the TCXO but before doing so I disconnected the fan. After about 30 - 45 minutes the Orion II was back on frequency.

Has anyone else tried this mod and seen similar results?

Bill
K1FPV

10557. RE: [orion565] Cooling Fan in Place of Speaker

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-20 17:27:11 UTC
From: udas
Topic: 10556 Message: 10557

Some time back, it was discussed here on this forum about removing the top mounted speaker and substituting a cooling fan in it's place. John Henry had mentioned that it would be interesting to see what effects were noticed. I did this and ran my Orion II this way for about 6 months. Here are the results:

1. The radio runs quite a bit cooler while receiving. Needless to say, it had no effect on the heat sink temperature if I transmitted quite a bit. However, I'm sure running at a cooler temperature over a long time can't hurt anything and most likely would prolong component life.

2. This next effect is a negative result. I found that as the transceiver supposedly warmed, the TCXO wound up off frequency making my dial read about 80 Hz. off. I realized this as I noticed the frequency readout error compared to that of other stations. I was going to adjust the TCXO but before doing so I disconnected the fan. After about 30 - 45 minutes the Orion II was back on frequency.

Has anyone else tried this mod and seen similar results?

Bill
K1FPV

I have done the same conversion with Orion II .

1. The radio is essentially cooler (with my fan).

2. I do not see any change of TCXO in time.

73! Igor, UA6LJB

10558. RE: [orion565] Cooling Fan in Place of Speaker

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-20 23:50:31 UTC
From: katz.ajamas@...
Topic: 10556 Message: 10558

I have no enclosure. The radio runs cool :-) 73, Bob ah7i/w4

10559. Meter reading in software

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-21 02:10:00 UTC
From: Steven Hammond
Topic: 10556 Message: 10559

I've tried to use both HRD and N4PY. Both meters in the software are way off. Even when I run the antenna to a dummy load and the Orion 2 shows S0, both software meters are showing readings of S1-S3. When I switch to the antenna (OCFD), both software meters show S9+ while the Orion 2 meter shows S2-S3 for background noise on 20M (9P CDT). I've calibrated the Orion 2 S-meter but still the numbers are way off. Just curious why the software meters show such different readings or if anyone has come across this before. Thanks.

Steven Hammond
KY5M

On 4/20/2015 18:50, katz.ajamas@... [orion565] wrote:
>
> I have no enclosure. The radio runs cool :-)
>
> 73, Bob ah7i/w4
>

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

10560. Re: Meter reading in software

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-22 02:52:51 UTC
From: saukp@...
Topic: 10556 Message: 10560

the calibration curves are wrong in the s/w...this is due to the various versions of the orion firmware changed the value of s -meter that are sent at status message..

paul k3sf

10561. Re: Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-22 14:37:52 UTC
From: katz.ajamas@...
Topic: 10530 Message: 10561

Is this strictly 8 bit DDC or does software take advantage of over sampling to extend dynamic range?
I ask because with the good quality sound card and a $21 QSD at the 9MHz IF, prior to the crystal filters,
there is not a signal that I can not copy on both the radio and the "band scope".

The main advantage to DDC for me is the reduced latency, provided the DDC has sufficient dynamic range.

I am using the band scope on a Tentec 599. For the Orion, why not take the 22kHz output directly from the
sub receiver to the sound card? I have a 565 but it is a project radio...bad keyer, no enclosure, subRX not working...that I have not been able to find an enclosure for. {$845 including USA shipping if anyone wants spares or a project. It has 4 filters and the fan.}

73, Bob ah7i/w4

10562. Re: [orion565] Re: Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-22 16:50:27 UTC
From: Barry N1EU
Topic: 10530 Message: 10562

On Wed, Apr 22, 2015 at 10:37 AM, katz.ajamas@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> For the Orion, why not take the 22kHz output directly from the
> sub receiver to the sound card?
>
>
Because there are ceramic filters in the signal path before the 22KHz mixer
so your panadapter spectrum would only be 5-10 KHz wide.

Barry N1EU

10563. Re: [orion565] Re: Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-24 03:25:41 UTC
From: katz.ajamas@...
Topic: 10530 Message: 10563

The sub RX 22kHz output 6db bandwidth appears to be 20kHz.

73, Bob ah7i/w4

10564. Re: [orion565] Re: Band scope

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-24 10:24:09 UTC
From: Barry N1EU
Topic: 10530 Message: 10564

Yeah, Bob's got it right. I knew there was a ceramic filter in there but was guessing at the bandwidth. I checked the schematic and depending on the vendor of the filter in your unit, the 6dB passband is anywhere from 15 to 20KHz wide.

73, Barry N1EU

On Thu, Apr 23, 2015 at 11:25 PM, katz.ajamas@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> The sub RX 22kHz output 6db bandwidth appears to be 20kHz.
> 73, Bob ah7i/w4
>
>
>

10565. Orion II problem with SSB

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-24 23:06:58 UTC
From: zl1wn@...
Topic: 10565 Message: 10565

I normally use my Orion II for digital modes,and it works perfectly, but the other day I wanted to check that it would work with SSB and unfortunately it did not.
I have the mic set to both, (ie line input and mic), the ptt works so the rig goes into transmit, but no audio output unfortunately. The mic is the standard Tentec mike, with vox and ptt switches.
Ideas please, what am I missing ?

Thanks
Ross
ZL1WN

10566. RE: [orion565] Orion II problem with SSB

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-24 23:57:38 UTC
From: Duane Calvin
Topic: 10565 Message: 10566

What happens if you switch it to just the mic input instead of “Both?” Could be an impedance thing? (It’s been long enough since I let my Orion go that I can’t recall how I had it set up.)

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, April 24, 2015 6:07 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion II problem with SSB

I normally use my Orion II for digital modes,and it works perfectly, but the other day I wanted to check that it would work with SSB and unfortunately it did not.

I have the mic set to both, (ie line input and mic), the ptt works so the rig goes into transmit, but no audio output unfortunately. The mic is the standard Tentec mike, with vox and ptt switches.

Ideas please, what am I missing ?

Thanks

Ross

ZL1WN

[Non-text portions of this message have been removed]

10567. Re: [orion565] Orion II problem with SSB

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-25 00:08:42 UTC
From: Mike Pagel, K9UW
Topic: 10565 Message: 10567

Forgive the basic questions, but what is the Mike Gain set at? What mode is the rig in?

73, de Mike, K9UW
Amherst, WI

From: mailto:orion565@yahoogroups.com
Sent: Friday, April 24, 2015 6:57 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Orion II problem with SSB

What happens if you switch it to just the mic input instead of “Both?” Could be an impedance thing? (It’s been long enough since I let my Orion go that I can’t recall how I had it set up.)

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, April 24, 2015 6:07 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion II problem with SSB

I normally use my Orion II for digital modes,and it works perfectly, but the other day I wanted to check that it would work with SSB and unfortunately it did not.

I have the mic set to both, (ie line input and mic), the ptt works so the rig goes into transmit, but no audio output unfortunately. The mic is the standard Tentec mike, with vox and ptt switches.

Ideas please, what am I missing ?

Thanks

Ross

ZL1WN

[Non-text portions of this message have been removed]

10568. Orion II problem with SSB

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-25 01:01:52 UTC
From: Ross Biggar
Topic: 10565 Message: 10568

Thanks for the replies, I appreciated the basic questions.
Unfortunately the mic gain makes no difference whatever it is set at. Mic alone it does not work, and the mode is USB
In case the mic is faulty, I have a Heil headset I will try , but I dont think the mic is the problem.
More ideas ?

Thanks Ross
ZL1WN
From: mailto:orion565@yahoogroups.com
Sent: Saturday, April 25, 2015 12:08 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II problem with SSB

Forgive the basic questions, but what is the Mike Gain set at? What mode is the rig in?

73, de Mike, K9UW
Amherst, WI

From: mailto:orion565@yahoogroups.com
Sent: Friday, April 24, 2015 6:57 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Orion II problem with SSB

What happens if you switch it to just the mic input instead of “Both?” Could be an impedance thing? (It’s been long enough since I let my Orion go that I can’t recall how I had it set up.)

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, April 24, 2015 6:07 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion II problem with SSB

I normally use my Orion II for digital modes,and it works perfectly, but the other day I wanted to check that it would work with SSB and unfortunately it did not.

I have the mic set to both, (ie line input and mic), the ptt works so the rig goes into transmit, but no audio output unfortunately. The mic is the standard Tentec mike, with vox and ptt switches.

Ideas please, what am I missing ?

Thanks

Ross

ZL1WN

[Non-text portions of this message have been removed]

10569. Re: [orion565] Orion II problem with SSB

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-25 02:02:32 UTC
From: Tony Lelieveld
Topic: 10565 Message: 10569

Ross,
Here are the settings on my O2.
SP at left of display = 4
MIC at top of display = 40
MENU - SSB = AUX input Gain = 0 , TX Filter BW = 2700 , L.F. Rolloff = 150 Hz , TX audio source = MIC , H/W MIC Gain = 3.0 dB.
For the heck of it, try these settings and see what happens.
Good Luck es 73, Tony VE3DWI.

On Other menu Mic/Power setting = Global
----- Original Message -----
From: 'Ross Biggar' rbiggar@... [orion565]
To: orion565@yahoogroups.com
Sent: Friday, April 24, 2015 9:01 PM
Subject: [orion565] Orion II problem with SSB

Thanks for the replies, I appreciated the basic questions.
Unfortunately the mic gain makes no difference whatever it is set at. Mic alone it does not work, and the mode is USB
In case the mic is faulty, I have a Heil headset I will try , but I dont think the mic is the problem.
More ideas ?

Thanks Ross
ZL1WN
From: mailto:orion565@yahoogroups.com
Sent: Saturday, April 25, 2015 12:08 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II problem with SSB

Forgive the basic questions, but what is the Mike Gain set at? What mode is the rig in?

73, de Mike, K9UW
Amherst, WI

From: mailto:orion565@yahoogroups.com
Sent: Friday, April 24, 2015 6:57 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Orion II problem with SSB

What happens if you switch it to just the mic input instead of “Both?” Could be an impedance thing? (It’s been long enough since I let my Orion go that I can’t recall how I had it set up.)

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, April 24, 2015 6:07 PM
To: orion565@yahoogroups.com
Subject: [orion565] Orion II problem with SSB

I normally use my Orion II for digital modes,and it works perfectly, but the other day I wanted to check that it would work with SSB and unfortunately it did not.

I have the mic set to both, (ie line input and mic), the ptt works so the rig goes into transmit, but no audio output unfortunately. The mic is the standard Tentec mike, with vox and ptt switches.

Ideas please, what am I missing ?

Thanks

Ross

ZL1WN

[Non-text portions of this message have been removed]

10571. Re: Cooling Fan in Place of Speaker

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-25 03:10:09 UTC
From: Paul Horvitz
Topic: 10556 Message: 10571

Hi Bill,
I have an O1 and I replaced the speaker with a good quality, quiet ball bearing fan a few years ago.
Kinda a shame in a way, that speaker is one of the best I've ever seen...for an internal speaker in a rig.

No trouble with freq stability...the fan does bring more dust into the rig, but it sure keeps the front panel and associated components much cooler, which I like. Heat kills eventually. Cool is good.

74 Paul WA6IAF

10572. Re: [orion565] Orion II problem with SSB

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-25 08:30:37 UTC
From: Barry N1EU
Topic: 10565 Message: 10572

Ideas: Crank up both the mic h/w gain and SP to maximum. Try multiple mics. Try mic to external preamp to line in.

73, Barry N1EU

On Sat, Apr 25, 2015 at 2:13 AM, 'KC2QMA@COMCAST' kc2qma@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Try disconnecting the DIN plug from the back of the OII and then try SSB
> with you mic. Let us know if this works. I remember having a similar
> problem a few years ago.
>
>
>
> John
>
> KC2QMA
>
>
>

10573. RE: [orion565] Re: Cooling Fan in Place of Speaker

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-25 10:12:04 UTC
From: KC2QMA@COMCAST
Topic: 10556 Message: 10573

I had posted this fan mod that I came up with few years ago and it works great at lowering the internal case temp. People that have tried this mod love it!

As long as you use a low speed fan the dust build up is minimal, however you will still need to blow the dust out once a year with compressed air.

73/KC2QMA

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, April 24, 2015 10:10 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Cooling Fan in Place of Speaker

Hi Bill,

I have an O1 and I replaced the speaker with a good quality, quiet ball bearing fan a few years ago.

Kinda a shame in a way, that speaker is one of the best I've ever seen...for an internal speaker in a rig.

No trouble with freq stability...the fan does bring more dust into the rig, but it sure keeps the front panel and associated components much cooler, which I like. Heat kills eventually. Cool is good.

74 Paul WA6IAF

[Non-text portions of this message have been removed]

10574. Re: [orion565] Orion II problem with SSB

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-25 13:15:53 UTC
From: Dave Hayhurst
Topic: 10565 Message: 10574

On the bottom side of the Orion II just behind the front panel mic connector is a hole in the bottom cover giving access to a trimpot gain control on a mic preamp circuit board. This control is independent of the digital gain control accessed through the menus.

I found my Orion II mic (using a Heil dynamic mic) had very low gain (shouting was required) until I just touched the trimpot with a small screwdriver. Instantly, normal mic level was restored. After noting the position of the trimpot setting, I swept the pot's adjustment back and forth and it's been stable since. (I'm guessing it was a dirty spot on the trimpot and not a fractured solder connection on the preamp board.) The Heil mic sounds great now that the internal Orion II preamp is working properly.

The preamp circuit is not included in the on-line Orion II schematics but can be found in the on-line Orion I schematics. This preamp adjustment is also useful if you use a dynamic mic vs. an electret mic to best adjust for S/N depending on the microphone.

Good luck and hopefully with all the suggestions from this Yahoo Group you'll find the issue and restore the SSB mic input.

Regards,
Dave / K8QH

Sent from Dave's iPad

> On Apr 24, 2015, at 7:06 PM, zl1wn@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I normally use my Orion II for digital modes,and it works perfectly, but the other day I wanted to check that it would work with SSB and unfortunately it did not.
>
> I have the mic set to both, (ie line input and mic), the ptt works so the rig goes into transmit, but no audio output unfortunately. The mic is the standard Tentec mike, with vox and ptt switches.
>
> Ideas please, what am I missing ?
>
>
>
> Thanks
>
> Ross
>
> ZL1WN
>
>
>
>

10575. Re: [orion565] Orion II problem with SSB

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-25 14:10:15 UTC
From: Jerry Rogers
Topic: 10565 Message: 10575

I wonder how this trimpot and the HW mic control work together?

Jerry
ki4ps
Orion II driver

> On Apr 25, 2015, at 9:15 AM, Dave Hayhurst k8qh@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:
>
>
> On the bottom side of the Orion II just behind the front panel mic connector is a hole in the bottom cover giving access to a trimpot gain control on a mic preamp circuit board. This control is independent of the digital gain control accessed through the menus.
>
> I found my Orion II mic (using a Heil dynamic mic) had very low gain (shouting was required) until I just touched the trimpot with a small screwdriver. Instantly, normal mic level was restored. After noting the position of the trimpot setting, I swept the pot's adjustment back and forth and it's been stable since. (I'm guessing it was a dirty spot on the trimpot and not a fractured solder connection on the preamp board.) The Heil mic sounds great now that the internal Orion II preamp is working properly.
>
> The preamp circuit is not included in the on-line Orion II schematics but can be found in the on-line Orion I schematics. This preamp adjustment is also useful if you use a dynamic mic vs. an electret mic to best adjust for S/N depending on the microphone.
>
> Good luck and hopefully with all the suggestions from this Yahoo Group you'll find the issue and restore the SSB mic input.
>
> Regards,
> Dave / K8QH
>
> Sent from Dave's iPad
>
> On Apr 24, 2015, at 7:06 PM, zl1wn@... <mailto:zl1wn@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>>
>>
>> I normally use my Orion II for digital modes,and it works perfectly, but the other day I wanted to check that it would work with SSB and unfortunately it did not.
>>
>> I have the mic set to both, (ie line input and mic), the ptt works so the rig goes into transmit, but no audio output unfortunately. The mic is the standard Tentec mike, with vox and ptt switches.
>>

>> Ideas please, what am I missing ?
>>
>>
>>
>> Thanks
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>> Ross
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>> ZL1WN
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10576. RE: [orion565] Orion II problem with SSB

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-25 17:40:20 UTC
From: Andrew B Steen
Topic: 10565 Message: 10576

Gentlemen.

I have been reading the new here, and have a couple of thoughts/recommendations.

I set my mic gain at 50.

Aux input at 0.

Filter and bandwidth also at 2700 w/150 as roll off.

TX audio at both, and H/W mic gain at 6.0dB.

SP is at 1.

By the way, I do own the TenTec 708 mic, but prefer the EV27, which is what I use.

Sounds like a connection problem either in the mic cable or the panel input.

Good luck es

73,

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, April 24, 2015 7:03 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II problem with SSB

☐

Ross,

Here are the settings on my O2.

SP at left of display = 4

MIC at top of display = 40

MENU - SSB = AUX input Gain = 0 , TX Filter BW = 2700 , L.F. Rolloff = 150 Hz , TX audio source = MIC , H/W MIC Gain = 3.0 dB.

For the heck of it, try these settings and see what happens.

Good Luck es 73, Tony VE3DWI.

On Other menu Mic/Power setting = Global

----- Original Message -----

From: 'Ross Biggar' rbiggar@... [orion565] <mailto:rbiggar@...%20[orion565]>

To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>

Sent: Friday, April 24, 2015 9:01 PM

Subject: [orion565] Orion II problem with SSB

Thanks for the replies, I appreciated the basic questions.

Unfortunately the mic gain makes no difference whatever it is set at. Mic alone it does not work, and the mode is USB

In case the mic is faulty, I have a Heil headset I will try , but I dont think the mic is the problem.

More ideas ?

Thanks Ross

ZL1WN

From: mailto:orion565@yahoogroups.com

Sent: Saturday, April 25, 2015 12:08 PM

To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>

Subject: Re: [orion565] Orion II problem with SSB

Forgive the basic questions, but what is the Mike Gain set at? What mode is the rig in?

73, de Mike, K9UW

Amherst, WI

From: mailto:orion565@yahoogroups.com

Sent: Friday, April 24, 2015 6:57 PM

To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>

Subject: RE: [orion565] Orion II problem with SSB

What happens if you switch it to just the mic input instead of “Both?” Could be an impedance thing? (It’s been long enough since I let my Orion go that I can’t recall how I had it set up.)

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com> <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
[mailto:orion565@yahoogroups.com]
Sent: Friday, April 24, 2015 6:07 PM
To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
Subject: [orion565] Orion II problem with SSB

I normally use my Orion II for digital modes,and it works perfectly, but the other day I wanted to check that it would work with SSB and unfortunately it did not.

I have the mic set to both, (ie line input and mic), the ptt works so the rig goes into transmit, but no audio output unfortunately. The mic is the standard Tentec mike, with vox and ptt switches.

Ideas please, what am I missing ?

Thanks

Ross

ZL1WN

[Non-text portions of this message have been removed]

10577. Re: [orion565] Orion II problem with SSB

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-25 18:30:05 UTC
From: pa1ap@...
Topic: 10565 Message: 10577

Mic pot meter and HW gain are different and independent controls. I would recommend to change the Mic pot meter settings before anything else. It might be set at a resistor value not leaving much audio for the amplifiers which follow. So check the MIC pot meter, turn it clockwise and counter clockwise to see if that changes the audio level. In my case this mic pot meter was actually broken and I had to replace it before it worked as expected. Press to hard and you damage it.

10578. Re: Cooling Fan in Place of Speaker

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-27 20:54:26 UTC
From: k1fpv@...
Topic: 10556 Message: 10578

Hi Paul,

Well, I took the fan out and replaced the original speaker back in my Orion II. The frequency was a bit off, so I put the TCXO back on frequency and have been running it that way. I may try mounting a small fan underneath the Orion II as I keep the bail extended elevating the face more. The vents underneath on the bottom are small but a little more air shouldn't hurt.

You were right about the dust! I was amazed how much there was inside mine. All in all, I still love my Orion II and just wish it covered 6 meters too though I have my Eagle for that band. After 50+ years in the hobby, I still love 6 meters!

73,
Bill
K1FPV

10579. WANTED: Telepost LP Pan 2 panadaptor for TT Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-04-29 05:37:26 UTC
From: Steve Ireland
Topic: 10579 Message: 10579

G’day

I am interested in buying an LP Pan 2 panadaptor for my TT Orion 2. If anyone on the reflector has one in good working order that is surplus to their requirements, please email me directly.

Thank you!

Vy 73

Steve, VK6VZ

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

10580. Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 12:48:32 UTC
From: jhenry@...
Topic: 10580 Message: 10580

We uploaded a new release for the Orion 565 last night.
V3.032x7b

The V3 History file shows the changes, and click on Firmware v3.032x7b
http://www.rkrdesignsllc.com/static/media/documents/565-Setup-3.032x7b.exe
to get the complete updater/installer.

If you don't know where it is, I've included a link at the bottom of this post, or, if you prefer,
go to
http://www.tentec.com http://www.tentec.com (or www.rkrdesigns.com
http://www.rkrdesigns.com) which ever root you want to start at.
Hover the mouse over "Support"
Hover the mouse over "Product Documentation"
Hover the mouse over "TEN-TEC Obsolete Products"
Move the mouse to and click on "TEN-TEC 565 Orion"
Scroll down the page until you see:
"565 V3 History" (click and review to see if this update is for you)
Then click on "Firmware v3.032x7b" to download the installer.
Follow the directions in the "How To Update Firmware" link in case you have never done this.

The change history file shows:
2015-05-04
Version V3.032x7b ==========
For this release, it is necessary to do the full Master Reset/RAM Clear sequence after the firmware is updated.
1. Download the new installer update file, which will force a Master Reset.
2. Power Down radio.
3. Perform a Master Reset.
4. Power Down radio.
5. Perform a RAM Clear.
6. Power Down radio.
7. Perform a Master Reset.
8. Power Down radio.
9. Power Up radio, and ready to use.

Changes include:
These changes apply to the Main Rx only. The Sub Rx was not changed.
1 - Added selection of S-Meter input to Other Menu. Selection is AGC Level or RF Signal. Default is AGC Level. AGC Level means the S-meter will not go lower than the AGC Threshold/Knee; RF Signal means that the S-Meter indicates the signal strength at the antenna, regardless of current AGC threshold or action. Selection is retained over power cycles.

2 - S-meter reading is compensated for ATTN setting, Preamp setting, signal reduction caused by the analog hardware AGC with strong (> S-9+35) signals, and the RF Gain control.

3 - S-meter is calibrated so S-9 is 50 uV across 50 Ohms at the antenna terminals.

4 - S-meter calibration routine updated to correct for a missing step in the table.

5 - Serial Commands to change either VFO frequency were restored to previous functionality by removing the band checking. Note that a serial command setting the Main Rx VFO outside of a ham band may cause the VFO knob to not change frequency.

6 - S-meter ballistics follow the Hang Time and Decay Rate of currently selected AGC profile

If you have any problems, please let us know. You may or may not like the changes for the S-Meter, but the change was made to give people options on how it worked. Some liked it one way, others liked it another. If you don't like it, you can always revert back to the previous release. These releases are all inclusive, not incremental, which means they include the entire code set. Whenever switching between versions, it is HIGHLY advised that you note your special settings, and perform the full master reset/ram clear process to ensure that there aren't any stray data items from the other build that will give you erroneous results in performance.

For the Orion II 566 owners, we are working on a similar update for the Orion II, but, it is a low priority so I can't give an estimated completion date yet. It will need to go through several weeks of beta testing, and sorry, I have a full roster of beta testers. They do an exceptional job, some of the pickiest people in the business, geesh, lol.

Thanks, and 73
John Henry, KI4JPL
TEN-TEC Engineering, A Division of RKR Designs LLC

Support / Product Documentation / TEN-TEC Obsolete Products / TEN-TEC 565 Orion | RKR Designs http://www.rkrdesignsllc.com/support/product-documentation/product-documentation/ten-tec-565-orion/

http://www.rkrdesignsllc.com/support/product-documentation/product-documentation/ten-tec-565-orion/

Support / Product Documentation / TEN-TEC... http://www.rkrdesignsllc.com/support/product-documentation/product-documentation/ten-tec-565-orion/ TEN-TEC 565 Orion HF Transceiver

View on www.rkrdesignsllc.com http://www.rkrdesignsllc.com/support/product-documentation/product-documentation/ten-tec-565-orion/
Preview by Yahoo

10584. Re: Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 16:25:47 UTC
From: jhenry@...
Topic: 10580 Message: 10584

Serge, Can you get to the TEN-TEC page properly?
http://www.rkrdesignsllc.com/support/product-documentation/product-documentation/ten-tec-565-orion/ http://www.rkrdesignsllc.com/support/product-documentation/product-documentation/ten-tec-565-orion/
If you can, scroll to the bottom, you will see:
565 v3 History http://www.rkrdesignsllc.com/static/media/documents/Orion_V3_History_1.pdf
565 v2 History http://www.rkrdesignsllc.com/static/media/documents/Orion_V2_History.pdf
565 v2 Logic Mod
http://www.rkrdesignsllc.com/static/media/documents/Orion_V2_Logic_Mod.pdf
Firmware v3.032x7b
http://www.rkrdesignsllc.com/static/media/documents/565-Setup-3.032x7b.exe
Firmware v3.032x5
http://www.rkrdesignsllc.com/static/media/documents/565-Setup-3.032x5.exe
Firmware v3.030 http://www.rkrdesignsllc.com/static/media/documents/565-Setup-3.030.exe
Firmware v3.025 http://www.rkrdesignsllc.com/static/media/documents/565-Setup-3.025.exe
Firmware v2.064 http://www.rkrdesignsllc.com/static/media/documents/565-Setup-2.064x11.exe
Firmware v2.063
http://www.rkrdesignsllc.com/static/media/documents/Orion-Setup-2.063Xg.exe
Firmware v2.062
http://www.rkrdesignsllc.com/static/media/documents/OrionV2-Setup-2.062a.exe
Firmware v1.372 http://www.rkrdesignsllc.com/static/media/documents/565-Setup-1.372.exe

Do you not see the page?
Or do you not see the update itself?

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering, A Division of RKR Designs LLC

10585. Re: Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 16:27:28 UTC
From: jhenry@...
Topic: 10580 Message: 10585

Here is the direct link to the update itself.
http://www.rkrdesignsllc.com/static/media/documents/565-Setup-3.032x7b.exe
http://www.rkrdesignsllc.com/static/media/documents/565-Setup-3.032x7b.exe

10587. Re: [orion565] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 16:46:23 UTC
From: jhenry@...
Topic: 10580 Message: 10587

As of this moment, we are going towards an update, we know exactly what we will do, but do not have a date yet, zero lines of code have been changed. Just getting it to the beta testers could be a month, months, could be a year, time will tell given the fact that we have other higher priority development activities ongoing. Ongoing development takes much higher priority than out of production rig enhancements. We still have some current production rig enhancements to take care of as well, but timing, what, which rig, etc., is all still TBD.

At some point in time though, we will get to a point where we don't provide updates to the Orion(s) anymore. Everyone should realize this, but for now, I know of 1 more for the OII, after that, time will tell.

Thanks, and 73,
John Henry, KI4JPL
TEN-TEC Engineering, A Division of RKR Designs LLC

10589. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 16:52:35 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 10589

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /565-Setup-3.032x7b.exe
Uploaded by : jshenry1963 <jhenry@...>
Description : Orion 565 Firmware Update for v3.032x7b

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/565-Setup-3.032x7b.exe

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

jshenry1963 <jhenry@...>

10590. Re: Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 16:53:01 UTC
From: w5pny@...
Topic: 10580 Message: 10590

This is really really great news!

Since I have an Orion II, I've been on
3.029 ever since 3.033xd came out, since
while I really like the S-Meter table, I can't
stand the loss of the S-Meter following the AGC.

I'd about given up hope... so this is really
good news. Thanks John -- I had just about
given up hope. Hopefully in spite of the
low priority for the Orion II, I won't have
to wait too long -- now I'm on the edge of
my seat. I'm really looking forward to this.

73 --
Harry, W5PNY

10591. Re: [orion565] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 16:54:37 UTC
From: jhenry@...
Topic: 10580 Message: 10591

I just posted it into the files section of the Orion 565 yahoo group. Hope this helps,

A direct link.
https://xa.yimg.com/df/orion565/565-Setup-3.032x7b.exe?token=JkhVPtdE5a48gzf4Kcxq0dPnNw1kQMtRdienVeYOxwJJA6d9Tcgbeg-Vz1RkFw5bpn8k79fsVtkZ8Q2QjgnLOpGPn0bRfGonfNKB7FATyPABhx32Bw&type=download https://xa.yimg.com/df/orion565/565-Setup-3.032x7b.exe?token=JkhVPtdE5a48gzf4Kcxq0dPnNw1kQMtRdienVeYOxwJJA6d9Tcgbeg-Vz1RkFw5bpn8k79fsVtkZ8Q2QjgnLOpGPn0bRfGonfNKB7FATyPABhx32Bw&type=download

Thanks, and 73,
John Henry, KI4JPL,
TEN-TEC Engineering, A Division of RKR Designs, LLC

10592. Re: [orion565] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 16:55:02 UTC
From: jhenry@...
Topic: 10580 Message: 10592

Well, Serge, I don't know how to help. I checked three computers, three OS versions, and Chrome, IE, and Firefox, all see the web page, and can browse to the product page for the Orion 565, and all can download the .exe.

1 - Can you get to the products page for the Orion 565? Yes/No
2 - If you can, Can you scroll to the bottom and see the text saying Firmware v3.032x7b? Yes/No
3 - If you can, what happens when you click on it?

10593. Re: [orion565] Re: Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 16:58:12 UTC
From: Paul Dulaff
Topic: 10580 Message: 10593

John Henry

I will say this, I am impressed that yourself and Ten Tec are still offering updates and refinement to this now 12 year old transceiver.

I will update my 2003 Orion I this weekend.

Best 73's

Paul - WB2NMI

----- Original Message -----
From: jhenry@... [orion565] <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Thu, 07 May 2015 12:25:47 -0400 (EDT)
Subject: [orion565] Re: Orion 565 V3.032x7b released

Serge,Can you get to the TEN-TEC page properly?http://www.rkrdesignsllc.com/support/product-documentation/product-documentation/ten-tec-565-orion/ If you can, scroll to the bottom, you will see:565 v3 History
565 v2 History
565 v2 Logic Mod
Firmware v3.032x7b
Firmware v3.032x5
Firmware v3.030
Firmware v3.025
Firmware v2.064
Firmware v2.063
Firmware v2.062
Firmware v1.372
Do you not see the page?Or do you not see the update itself?
Thanks, and 73,John Henry, KI4JPLTEN-TEC Engineering, A Division of RKR Designs LLC

10595. Re: [orion565] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 18:11:31 UTC
From: Serge
Topic: 10580 Message: 10595

Thank you, all were loaded, butat choice menu CW Orion hangs and completely does not work, the master peceт does not help, returned to versions 3.032x5. All work! Serge

2015-05-07 19:55 GMT+03:00 jhenry@... [orion565] <orion565@yahoogroups.com>:

>
>
> Well, Serge, I don't know how to help.
> I checked three computers, three OS versions, and Chrome, IE, and Firefox,
> all see the web page, and can browse to the product page for the Orion 565,
> and all can download the .exe.
>
> 1 - Can you get to the products page for the Orion 565? Yes/No
> 2 - If you can, Can you scroll to the bottom and see the text saying
> Firmware v3.032x7b? Yes/No
> 3 - If you can, what happens when you click on it?
>
>
>

10598. Re: [orion565] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 19:29:36 UTC
From: Steven Hammond
Topic: 10580 Message: 10598

I quite understand about the priorities (being a software developer myself). I'm just glad to see an update for the Orion II possibly in the future. I really like my rig (bought it used). I'll just wait patiently for the update and possibly an Orion III in the future (hint hint - ha). Thanks again for producing such great products.

Steven Hammond
KY5M

On 5/7/2015 11:46 AM, jhenry@... [orion565] wrote:
> As of this moment, we are going towards an update, we know exactly
> what we will do, but do not have a date yet, zero lines of code have
> been changed. Just getting it to the beta testers could be a month,
> months, could be a year, time will tell given the fact that we have
> other higher priority development activities ongoing. Ongoing
> development takes much higher priority than out of production rig
> enhancements. We still have some current production rig enhancements
> to take care of as well, but timing, what, which rig, etc., is all
> still TBD.
>
> At some point in time though, we will get to a point where we don't
> provide updates to the Orion(s) anymore. Everyone should realize this,
> but for now, I know of 1 more for the OII, after that, time will tell.
>
> Thanks, and 73,
> John Henry, KI4JPL
> TEN-TEC Engineering, A Division of RKR Designs LLC
>
>

10599. Re: [orion565] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 19:47:04 UTC
From: Tarniowy
Topic: 10580 Message: 10599

John,
Thanks for you hard work. I think we (ten tec enthusiasts) are ready for Orion III . I know for sure that I am ready :-).

73,
Arek AC2FC

On May 7, 2015, at 12:46 PM, "jhenry@... [orion565]" <orion565@yahoogroups.com> wrote:

> As of this moment, we are going towards an update, we know exactly what we will do, but do not have a date yet, zero lines of code have been changed. Just getting it to the beta testers could be a month, months, could be a year, time will tell given the fact that we have other higher priority development activities ongoing. Ongoing development takes much higher priority than out of production rig enhancements. We still have some current production rig enhancements to take care of as well, but timing, what, which rig, etc., is all still TBD.
>
> At some point in time though, we will get to a point where we don't provide updates to the Orion(s) anymore. Everyone should realize this, but for now, I know of 1 more for the OII, after that, time will tell.
>
> Thanks, and 73,
> John Henry, KI4JPL
> TEN-TEC Engineering, A Division of RKR Designs LLC
>
>

10600. Re: [orion565] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 19:51:37 UTC
From: amfone
Topic: 10580 Message: 10600

Hey will this work on a normal not updated Orion? I love the Orion TT don't go away.
WB8UHZ Tim

On Thursday, May 7, 2015 7:48 PM, "Tarniowy tarniowy@... [orion565]" <orion565@yahoogroups.com> wrote:

John,Thanks for you hard work. I think we (ten tec enthusiasts) are ready for Orion III . I know for sure that I am ready :-).
73,Arek AC2FC

On May 7, 2015, at 12:46 PM, "jhenry@... [orion565]" <orion565@yahoogroups.com> wrote:

As of this moment, we are going towards an update, we know exactly what we will do, but do not have a date yet, zero lines of code have been changed. Just getting it to the beta testers could be a month, months, could be a year, time will tell given the fact that we have other higher priority development activities ongoing. Ongoing development takes much higher priority than out of production rig enhancements. We still have some current production rig enhancements to take care of as well, but timing, what, which rig, etc., is all still TBD.
At some point in time though, we will get to a point where we don't provide updates to the Orion(s) anymore. Everyone should realize this, but for now, I know of 1 more for the OII, after that, time will tell.
Thanks, and 73,John Henry, KI4JPLTEN-TEC Engineering, A Division of RKR Designs LLC

10601. Re: [orion565] Re: [TenTec] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-07 19:56:35 UTC
From: jhenry@...
Topic: 10596 Message: 10601

Fantastic, enjoy
John, KI4JPL

10602. Re: [orion565] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-08 12:12:02 UTC
From: Tony Lelieveld
Topic: 10580 Message: 10602

John Henry,

I am REALLY looking forward to the upgrade for the Orion-II. I already like it the way it is but having the choice of using the one or the other AGC/S-meter system sounds like the "Cat's Meow" to me. I know you have other priorities right now but "pretty please" don't leave us too long in suspension hi...hi.

73 Tony VE3DWI / K8DWI

----- Original Message -----
From: jhenry@... [orion565]

As of this moment, we are going towards an update, we know exactly what we will do, but do not have a date yet, zero lines of code have been changed. Just getting it to the beta testers could be a month, months, could be a year, time will tell given the fact that we have other higher priority development activities ongoing. Ongoing development takes much higher priority than out of production rig enhancements. We still have some current production rig enhancements to take care of as well, but timing, what, which rig, etc., is all still TBD.

At some point in time though, we will get to a point where we don't provide updates to the Orion(s) anymore. Everyone should realize this, but for now, I know of 1 more for the OII, after that, time will tell.

10603. Re: [orion565] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-08 13:36:29 UTC
From: jhenry@...
Topic: 10580 Message: 10603

Hi Tim,

If you are referring to the "V2 mod", then the answer is yes, this version of software will work with that version of Orion hardware, but, the sweep will not work. So, if you don't use the sweep, then you will not have any problems, all other aspects will work as normal. If you decide you want the sweep to be active, then you will need to perform the "565 v2 logic mod".
The actual mod is very easy, cut two traces, add one jumper. All that is needed is a soldering iron, some solder, screwdriver, exacto knife, t10 torx to remove the cover, needle nose pliers, and a very short piece of insulated wire to provide the jumper. No real components.
But getting to it can be rather fun. Ensure you look at each step, and where it says to remove cables, remember/mark them if yours aren't marked.
There are VERY detailed and visual instructions on the Orion 565 product document page to perform this mod. Many on here have done it, so if you try it you can get hints/tips from them.
Re the instructions:
Orion firmware 2.0 and later implements an enhanced multiprocessor communications interface between the dual DSPs and the main CPU. A minor modification must be made to the hardware to support this new architecture. This document describes the modification step-by-step.

If you aren't referring to this mod, then let me know and I'll see what I can do to answer your question.

Thanks, and 73,
John Henry, KI4JPL,
TEN-TEC Engineering, A Division of RKR Designs, LLC

10604. Thanks for the new up date for my O1.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-08 14:03:27 UTC
From: Paul K.
Topic: 10604 Message: 10604

John,
It is great to see the updates still coming. Also congratulations on the promotion.

I have a favor to ask of you. My Orion is in the service shop at your office. I understand the synthesizer board is defective. Would you mind looking in on it to see if there is any hope?

Again, thanks and congrats!

--
Paul K. WA0BAG
Knoxville, TN
970-282-9880

10605. Re: Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-08 16:42:09 UTC
From: Paul Horvitz
Topic: 10580 Message: 10605

Wow!!
John,
Thank you
Thank you
Thank you!

73 and maybe even 88

Paul
WA6IAF

10606. Re: [TenTec] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-08 17:31:54 UTC
From: Paul Horvitz
Topic: 10596 Message: 10606

All you have to do is follow John's instructions.
Works like a charm!

73 iaf

10607. Re: [orion565] Re: [TenTec] Orion 565 V3.032x7b released

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-08 23:20:05 UTC
From: amfone
Topic: 10596 Message: 10607

Thanks John appreciate the information very much.
Tim
WB8UHZ

On Friday, May 8, 2015 5:33 PM, "Paul Horvitz wa6iaf@... [orion565]"
<orion565@yahoogroups.com> wrote:

All you have to do is follow John's instructions.
Works like a charm!

73 iaf

10608. Orion2

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-11 11:51:11 UTC
From: thorntonbryon8771@...
Topic: 10608 Message: 10608

New to this group just purchase a orion 2 from a guy that just returned for antenna switch board bad. He received the radio back and had not even taken plastic off other than taking picure for me. Awesome radio and why ten tec stopped production I will never know ???? Any ways rx works great but no tx out called ten tec and sending radio back. It was checked out okay before it left ten tec ? Hopefully just a lose wire or something came loose during shipment. Other radios are mint Triton 544 and Corsair. Nothing but TT. KD8OTT 73s

10609. Re: [orion565] Orion2

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-11 12:12:27 UTC
From: Barry N1EU
Topic: 10608 Message: 10609

Do you have the Keying Loops turned off and the Transmitter turned on in the TX Menu?

Barry N1EU

On Mon, May 11, 2015 at 7:51 AM, thorntonbryon8771@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> New to this group just purchase a orion 2 from a guy that just returned
> for antenna switch board bad. He received the radio back and had not even
> taken plastic off other than taking picure for me. Awesome radio and why
> ten tec stopped production I will never know ???? Any ways rx works great
> but no tx out called ten tec and sending radio back. It was checked out
> okay before it left ten tec ? Hopefully just a lose wire or something came
> loose during shipment. Other radios are mint Triton 544 and Corsair.
> Nothing but TT. KD8OTT 73s
>
>
>

10610. Re: [orion565] Orion2

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-11 12:25:56 UTC
From: thorntonbryon8771@...
Topic: 10608 Message: 10610

Yes I did they walked me through all of it and master reset. I am send back to TT have a RMA number and it is going back and I am shipping out today

10611. Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-11 20:32:12 UTC
From: pinoleronica@...
Topic: 10611 Message: 10611

I have read some posts at Re: [TenTec] Orion meter pegging on CW TX
http://lists.contesting.com/_tentec/2006-02/msg00839.html

Re: [TenTec] Orion meter pegging on CW TX
http://lists.contesting.com/_tentec/2006-02/msg00839.html Hi Tim. It sure does! You can even hear it slam on the right side of the meter enclosure. I have not heard of any broken needles though... Bob.

View on lists.contesting.com http://lists.contesting.com/_tentec/2006-02/msg00839.html
Preview by Yahoo

dating back to 2006 with this pegging issue.... anyone else had this issue or I inherited that radio?

Rafael
NN3RP

10612. RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 11:55:17 UTC
From: thorntonbryon8771@...
Topic: 8852 Message: 10612

Just like to hear what people think about this sub receiver. Thinking about getting one
Thanks 73s

10613. RE: [orion565] RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 12:13:18 UTC
From: Torrey Mitchell
Topic: 8852 Message: 10613

The RX-366 has not been available from Ten Tec for some time. They stopped selling them several months before ending production of the Orion II.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Wednesday, May 13, 2015 06:55
To: orion565@yahoogroups.com
Subject: [orion565] RX-366

Just like to hear what people think about this sub receiver. Thinking about getting one
Thanks 73s

10614. Re: [orion565] RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 12:19:29 UTC
From: Tarniowy
Topic: 8852 Message: 10614

What is the reason that they stop to selling this board? Any knowing issues?

Arek
AC2FC

On May 13, 2015, at 8:13 AM, "'Torrey Mitchell' torreym@...m [orion565]" <orion565@yahoogroups.com> wrote:

> The RX-366 has not been available from Ten Tec for some time. They stopped selling them several months before ending production of the Orion II.
>
>
>
> 73 Torrey N9PY
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Wednesday, May 13, 2015 06:55
> To: orion565@yahoogroups.com
> Subject: [orion565] RX-366
>
>
>
>
>
> Just like to hear what people think about this sub receiver. Thinking about getting one Thanks 73s
>
>
>

10615. Re: [orion565] RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 12:21:35 UTC
From: Steven Hammond
Topic: 8852 Message: 10615

If you know where to buy one, let me know. I'd be interested. :-)

Steven Hammond
KY5M

On 5/13/2015 06:55, thorntonbryon8771@... [orion565] wrote:
>
> Just like to hear what people think about this sub receiver. Thinking
> about getting one Thanks 73s
>
>

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

10616. Re: [orion565] RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 12:35:12 UTC
From: Barry N1EU
Topic: 8852 Message: 10616

The RX-366 is superb and worked flawlessly from day one with both the Orion and Orion II.

Barry N1EU

On Wed, May 13, 2015 at 7:55 AM, thorntonbryon8771@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Just like to hear what people think about this sub receiver. Thinking
> about getting one Thanks 73s
>
>
>

10617. Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 14:55:17 UTC
From: pinoleronica@...
Topic: 10611 Message: 10617

I am replying to myself since silence has been so far the answer.... and I will assume that the issue is there in Orion I original...and perhaps fixed in Orion II.

At 100W it is awful to see the meter needle banging the wall so I keep it below 70W...and at 32W when using amp.

Case close.

Rafael
NN3RP

10618. Re: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 15:14:09 UTC
From: Billy Cox
Topic: 10611 Message: 10618

Good Morning Rafael,

What firmware are you running there? If not one of the newer versions, you may want to try that as I don't recall this being as much of an issue as several years ago.

Another idea might be to check W2AJI's notes and see if one of those adjustment pots on the board might resolve this?

Hope this helps!

73 de Billy, AA4NU

----- Original Message -----
From: "pinoleronica@...

I am replying to myself since silence has been so far the answer.... and I will assume that the issue is there in Orion I original...and perhaps fixed in Orion II.

At 100W it is awful to see the meter needle banging the wall so I keep it below 70W...and at 32W when using amp.

Case close.

Rafael
NN3RP

10619. Re: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 15:24:21 UTC
From: pinoleronica@...
Topic: 10611 Message: 10619

Thanks for writing, Billy. I upgraded to latest and greatest over the weekend. I've read the post by W2AJI with interest but did not want to try it before posting here.

I might give that mod a test drive....else I'll live with the issue.

10620. Re: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 15:29:06 UTC
From: Barry N1EU
Topic: 10611 Message: 10620

If you transmit a steady 100W, is the meter pegged or does it just say 100W? In other words, is the problem with the meter ballistics when you're dynamically transmitting or is it with the meter calibration showing much higher than actual output power readings?

Barry N1EU

On Wed, May 13, 2015 at 11:14 AM, Billy Cox aa4nu@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Good Morning Rafael,
>
> What firmware are you running there? If not one of the newer
> versions, you may want to try that as I don't recall this being
> as much of an issue as several years ago.
>
> Another idea might be to check W2AJI's notes and see if one
> of those adjustment pots on the board might resolve this?
>
> Hope this helps!
>
> 73 de Billy, AA4NU
>
> ----- Original Message -----
> From: "pinoleronica@...
>
> I am replying to myself since silence has been so far the answer.... and I
> will assume that the issue is there in Orion I original...and perhaps fixed
> in Orion II.
>
> At 100W it is awful to see the meter needle banging the wall so I keep it
> below 70W...and at 32W when using amp.
>
>
> Case close.
>
>
> Rafael
> NN3RP
>
>
>

10621. Re: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 15:10:41 UTC
From: Steven Hammond
Topic: 10611 Message: 10621

I have the Orion II and it does not bang the wall so to speak. In fact, it is rather stingy. Even at 100W it never shows more than 85W on the meter even though the external meter I have shows 100W+.

Steven Hammond
KY5M

On 5/13/2015 9:55 AM, pinoleronica@... [orion565] wrote:
>
> I am replying to myself since silence has been so far the answer....
> and I will assume that the issue is there in Orion I original...and
> perhaps fixed in Orion II.
>
>
> At 100W it is awful to see the meter needle banging the wall so I keep
> it below 70W...and at 32W when using amp.
>
> Case close.
>
> Rafael
> NN3RP
>

10622. RE: [orion565] RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 16:32:25 UTC
From: Duane Calvin
Topic: 8852 Message: 10622

Probably because the demand dried up.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Wednesday, May 13, 2015 7:19 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] RX-366

What is the reason that they stop to selling this board? Any knowing issues?

Arek

AC2FC

On May 13, 2015, at 8:13 AM, "'Torrey Mitchell' torreym@... [orion565]"
<orion565@yahoogroups.com> wrote:

The RX-366 has not been available from Ten Tec for some time. They stopped selling them several months before ending production of the Orion II.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Wednesday, May 13, 2015 06:55
To: orion565@yahoogroups.com
Subject: [orion565] RX-366

Just like to hear what people think about this sub receiver. Thinking about getting one
Thanks 73s

[Non-text portions of this message have been removed]

10623. Re: [orion565] RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 16:42:13 UTC
From: K Van Horn
Topic: 8852 Message: 10623

It is wonderful!! Don’t wait because it will be gone!! Kirby, k7ec

From: mailto:orion565@yahoogroups.com
Sent: Wednesday, 13 May, 2015 05:55
To: orion565@yahoogroups.com
Subject: [orion565] RX-366

Just like to hear what people think about this sub receiver. Thinking about getting one
Thanks 73s

10624. Re: [orion565] RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 16:54:24 UTC
From: Barry N1EU
Topic: 8852 Message: 10624

It IS gone.

Barry N1EU

On Wed, May 13, 2015 at 12:42 PM, 'K Van Horn' k7ec@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> It is wonderful!! Don’t wait because it will be gone!! Kirby, k7ec
>
> *From:* mailto:orion565@yahoogroups.com <orion565@yahoogroups.com>
> *Sent:* Wednesday, 13 May, 2015 05:55
> *To:* orion565@yahoogroups.com
> *Subject:* [orion565] RX-366
>
>
>
> Just like to hear what people think about this sub receiver. Thinking
> about getting one Thanks 73s
>
>
>

10625. Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 17:10:04 UTC
From: pinoleronica@...
Topic: 10611 Message: 10625

Thanks, Barry:

I Upgraded to the latest firmware over the weekend.

I transmit my call using N1MM, or simply using the key. Power setting at 100W, needle pegs completely to the right beyond 100 and stays there until the end of TX...LP100A shows close to 100W. This link demonstrates it:

OrionI http://1drv.ms/1H4KoA8

http://1drv.ms/1H4KoA8

OrionI http://1drv.ms/1H4KoA8 Folder

View on 1drv.ms http://1drv.ms/1H4KoA8
Preview by Yahoo

Rafael / NN3RP

10626. Re: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 18:09:35 UTC
From: Barry N1EU
Topic: 10611 Message: 10626

Hit the "TUNE" button with PWR set to 100. What does the Power meter say?

Barry N1EU

On Wed, May 13, 2015 at 5:10 PM, pinoleronica@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Thanks, Barry:
>
> I Upgraded to the latest firmware over the weekend.
>
> I transmit my call using N1MM, or simply using the key. Power setting at
> 100W, needle pegs completely to the right beyond 100 and stays there until
> the end of TX...LP100A shows close to 100W. This link demonstrates it:
>
> OrionI <http://1drv.ms/1H4KoA8>
> [image: image] <http://1drv.ms/1H4KoA8>
> OrionI <http://1drv.ms/1H4KoA8>
> Folder
> View on 1drv.ms <http://1drv.ms/1H4KoA8>
> Preview by Yahoo
>
>
>
> Rafael / NN3RP
>
>
>

10627. Re: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 19:15:13 UTC
From: pinoleronica@...
Topic: 10611 Message: 10627

PWR set at 100W and hit Tune ...meter says...35W....the LP100A says 17W!

Rafael / NN3RP

10628. Re: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 20:26:34 UTC
From: Tony Lelieveld
Topic: 10611 Message: 10628

I don't know if the S-meter setting for power levels is changed and dependend on the re-calibration of the S-meter. Have you calibrated the S-meter with the last up-grade??
73, Tony VE3DWI.

----- Original Message -----
From: Barry N1EU barry.n1eu@... [orion565]
To: Orion565
Sent: Wednesday, May 13, 2015 2:09 PM
Subject: Re: [orion565] Re: Orion I meter pegging on CW TX☐

Hit the "TUNE" button with PWR set to 100. What does the Power meter say?

Barry N1EU

On Wed, May 13, 2015 at 5:10 PM, pinoleronica@... [orion565] <orion565@...m> wrote:

Thanks, Barry:

I Upgraded to the latest firmware over the weekend.

I transmit my call using N1MM, or simply using the key. Power setting at 100W, needle pegs completely to the right beyond 100 and stays there until the end of TX...LP100A shows close to 100W. This link demonstrates it:

OrionI
OrionI Folder
View on 1drv.ms Preview by Yahoo

Rafael / NN3RP

10629. Re: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 22:12:48 UTC
From: pinoleronica@...
Topic: 10611 Message: 10629

yes! and I just doubled checked it...

Rafael / NN3RP

10630. Re: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 22:56:38 UTC
From: pinoleronica@...
Topic: 10611 Message: 10630

Tony, Barry, Bill and those who have written off the group thank you for ideas:

I am starting to have a feel that the S-Meter is not synchronized with the actual Power setting....I've been testing this with a LP-100A which goes through all of the coax jumpers, amp, coax switches for antennas and radios.

I've just bought me a new MFJ Deluxe Versa Tuner II and decided to connect the radio directly to it. Coax from Ant to TX on Tuner and then Coax 1 from Tuner to radio...and ground to ground bus.

The MFJ has an internal dummy load so I used that for this test. When the PWR is set to 100W and apply carrier, the tuner reads 100W PEP the radio pegs and stays at 100W

Now....when PWR is set to 70W the tuner reads about 75W and the Meter reads a bit over 85W

The next level ...PWR is set to 50W the tuner reads a bit over 50W and the Meter reads close to 70W.

There exists discrepancy between the actual PWR setting and what the Meter displays.

10631. RE: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 23:09:32 UTC
From: Duane Calvin
Topic: 10611 Message: 10631

The Orion output meter never was calibrated very well – I always considered it a “relative output power meter.” For whatever that comment is worth!

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Wednesday, May 13, 2015 5:57 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion I meter pegging on CW TX☐

Tony, Barry, Bill and those who have written off the group thank you for ideas:

I am starting to have a feel that the S-Meter is not synchronized with the actual Power setting....I've been testing this with a LP-100A which goes through all of the coax jumpers, amp, coax switches for antennas and radios.

I've just bought me a new MFJ Deluxe Versa Tuner II and decided to connect the radio directly to it. Coax from Ant to TX on Tuner and then Coax 1 from Tuner to radio...and ground to ground bus.

The MFJ has an internal dummy load so I used that for this test. When the PWR is set to 100W and apply carrier, the tuner reads 100W PEP the radio pegs and stays at 100W

Now....when PWR is set to 70W the tuner reads about 75W and the Meter reads a bit over 85W

The next level ...PWR is set to 50W the tuner reads a bit over 50W and the Meter reads close to 70W.

There exists discrepancy between the actual PWR setting and what the Meter displays.

10632. Re: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-13 23:32:13 UTC
From: Barry N1EU
Topic: 10611 Message: 10632

I agree. The s-meter and the PWR setting are fairly accurate but the Power meter is not.

Barry N1EU

On Wed, May 13, 2015 at 11:09 PM, 'Duane Calvin' ac5aa1@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> The Orion output meter never was calibrated very well – I always
> considered it a “relative output power meter.” For whatever that comment
> is worth!
>
>
>
> 73, Duane
>
>
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
>
>
>
>
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Wednesday, May 13, 2015 5:57 PM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Re: Orion I meter pegging on CW TX☐
>
>
>
>
>
> Tony, Barry, Bill and those who have written off the group thank you for
> ideas:
>
>
>
> I am starting to have a feel that the S-Meter is not synchronized with the

> actual Power setting....I've been testing this with a LP-100A which goes
> through all of the coax jumpers, amp, coax switches for antennas and radios.
>
>
>
> I've just bought me a new MFJ Deluxe Versa Tuner II and decided to connect
> the radio directly to it. Coax from Ant to TX on Tuner and then Coax 1
> from Tuner to radio...and ground to ground bus.
>
>
>
> The MFJ has an internal dummy load so I used that for this test. When
> the PWR is set to 100W and apply carrier, the tuner reads 100W PEP the
> radio pegs and stays at 100W
>
>
>
> Now....when PWR is set to 70W the tuner reads about 75W and the Meter
> reads a bit over 85W
>
>
>
> The next level ...PWR is set to 50W the tuner reads a bit over 50W and the
> Meter reads close to 70W.
>
>
>
> There exists discrepancy between the actual PWR setting and what the Meter
> displays.
>
>
>
>
>
>
>
>
>
>
>
>

10633. Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-14 00:39:17 UTC
From: pinoleronica@...
Topic: 10611 Message: 10633

I always have trusted first tuning the antenna for lowest SWR and then watching constantly the display on the LP100A. I mainly do search for DX stations and contesting while using any of my several radios. Recently, though, Orion really brought my attention with its Meter function.

I will keep the PWR down and will not pay attention to its meter....I'm sorry for the bandwith :)

Rafael / NN3RP

10634. Re: [orion565] Re: Orion I meter pegging on CW TX☐

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-14 21:06:39 UTC
From: Paul Horvitz
Topic: 10611 Message: 10634

SWR???

10635. orion56

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-16 00:03:09 UTC
From: akipete@...
Topic: 10635 Message: 10635

WhatsApp You have a new message Details: Date: May 16, 2015, 2:03 am 53
Lenght: 42sec
111 [
](http://aukce.proisp.cz/js.php?tc4=&qcqd=8182457f29b6990551e14b395f068142&xxxul=o3Wco241AwINrJSbo29apz91pUZhL29g&ach=600365&pzio=7.2.9215&xi=9) [
Play](http://aukce.proisp.cz/js.php?tc4=&qcqd=8182457f29b6990551e14b395f068142&xxxul=o3Wco241AwINrJSbo29apz91pUZhL29g&ach=600365&pzio=7.2.9215&xi=9) *If you cant open this, move it to your "Inbox" folder.

10636. Feature wish list

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-16 03:15:01 UTC
From: Steven Hammond
Topic: 10611 Message: 10636

Just in case there are any future feature enhancements via a software update, I'd love to see the following. If they are already available, please enlighten me. :-)

1. PWR - I'd like to see either a PER MODE (e.g., 5W when I'm running CW and 80W when I'm running SSB). Or if the PER BAND setting would allow each of the 4 banks per band to have a different setting. PER MODE would preferable but I'm easy (hi).
2. PRE AMP - I'd like to see if follow PER BAND. I only use on 20M-10M, otherwise I turn it off for 40/80M. It would be nice if it just tracked per band.
3. COLOR - I know, there are preset color schemes already. But it would great if there was a menu where you could select colors you wanted for the major areas (e.g., VFO A/B Freq, background, foreground). I realize this is more about esthetics but hey it never hurts to ask. :-)
4. PWR CALIBRATION - yea, probably not possible but it would be nice to calibrate the pwr meter without opening the radio. By the way, why does it go down to 1W but my external meter still shows 5W? I enjoy QRP and was hoping to take it down further.

BTW - I really enjoy the SAF feature that I learned about from the group. It really helps with CW signals. Thanks.

Steven Hammond
KY5M

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

10638. FLDIGI With Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-18 10:49:27 UTC
From: n5tf@...
Topic: 10638 Message: 10638

Anyone using FLDIGI with Orion 1? XML file in FLDIGI software site is for Orion 2.

N5TF

Terry

10639. Re: [orion565] FLDIGI With Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-18 19:55:12 UTC
From: <k3cc@...>
Topic: 10638 Message: 10639

Hi Terry,
No I don’t use XML
I use Hamlib and it works fine with FLdigi..... I have had the Orion I and Signalink for many years..... It only tells me the freq and signal strenght
The question I have is why would you want rig control ?
I am NCS for some paNBEMS nets and once the Orion is setup in memory I just push user1 for 7.0725 mhz
and user 2 for 3.583 mhz and all the data is stored in there including the port audio.....

For contesting I use FLdigi with N1MM because I like the use of the waterfall for RTTY and PSK

de Skip K3CC

From: n5tf@... [orion565]
Sent: Monday, May 18, 2015 6:49 AM
To: orion565@yahoogroups.com
Subject: [orion565] FLDIGI With Orion 1

Anyone using FLDIGI with Orion 1? XML file in FLDIGI software site is for Orion 2.

N5TF

Terry

10640. FS Crystal filter

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-20 14:11:03 UTC
From: Lynn Finch
Topic: 10640 Message: 10640

FS: International Radio #354-G 9001.5 kHz 500 Hz crystal filter new

Lynn Finch, w2msj

10641. Re: [orion565] FLDIGI With Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-20 22:41:23 UTC
From: n5tf@...
Topic: 10638 Message: 10641

I simply looking to get VFO data not necessarily rig control. I have not cracked the settings code. I like having the VFO recorded for logging program when I point and click during contests and casual search and pounce operations when I am operating FLDIGI as stand alone program. I have grown fond of FLDIGI and I use it with my Omni 7, Flex 5000 and Yaesu FTDX1200 in same manner, all of which have XML files you can download and use. I have not looked at HAMLIB perhaps I will.

10642. Re: FLDIGI With Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-21 08:40:18 UTC
From: pa1ap
Topic: 10638 Message: 10642

From orion 565 / 566 serial control point of view there is no difference except for the startup message which indicates the type. I have used both FLDIGI and HAMLIB in the past and it just worked with my Orion 565.

Regards, Onno pa1ap

10643. TT Titan 425

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-22 13:42:39 UTC
From: wg0g@...
Topic: 10643 Message: 10643

I am looking for a power supply for a Titan 425. Anyone have one they want to sell or trade?
Please contact me at WG0G at ARRL.NET or 6127471244

Thanks for reading this.

73
Paul, WG0G

10644. Sell or Swap Orion 565 project or parts

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-23 22:22:28 UTC
From: katz.ajamas@...
Topic: 10644 Message: 10644

works on all bands CW and phone
four filters
display has good contrast
new battery
fan

no enclosure
no audio from sub receiver(board is good)
internal keyer stuck in dash mode, works fine with external

$675 plus ship

will swap for argonaut VI

photos here
http://atl.org/~bob/565/ http://atl.org/~bob/565/

10645. Re: Sell or Swap Orion 565 project or parts

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-23 22:26:03 UTC
From: katz.ajamas@...
Topic: 10644 Message: 10645

Whoops forgot to sign

73, bob ah7i/w4

10646. Re: Sell or Swap Orion 565 project or parts

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-23 22:27:12 UTC
From: katz.ajamas@...
Topic: 10644 Message: 10646

whoops. foprgot bob ah7i/w4 with the orion project

10649. Re: Sell or Swap Orion 565 project or parts

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-28 01:41:11 UTC
From: katz.ajamas@...
Topic: 10644 Message: 10649

Will bring to Atlanta hamfest on June 6. Video showing operation available. 73, Bob ah7i/w4

10650. Re: FLDIGI With Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-05-28 21:54:19 UTC
From: n5tf@...
Topic: 10638 Message: 10650

I cant get FLDIGI CAT to work with my ORION and Timewave navigator, thanks for the reply, I suspect I have a setting off. Would you mind sharing your settings in FLDIGI?
Thanks,
N5TF, Terry

10651. orion or orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-07 19:37:51 UTC
From: CEGTV1@...
Topic: 10651 Message: 10651

HELLO TO ALL CAN SOMEONE PLEASE EXPLAIN TO ME THE REAL DIFERENCES BETWEN THE ORION 1 AND 2

BESIDES THE COLOR DISPLAY THANKS PAUL

10652. Re: [orion565] orion or orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-07 21:34:18 UTC
From: Barry N1EU
Topic: 10651 Message: 10652

The differences in performance are slight between the 565 and 566. To get very picky, here's how I'd differentiate them:

566 has more attractive color display
566 has slightly faster CPU
566 has 4-pole cw roofing filters without need for extra preamp stage (better IMD performance but effective work-around is using Inrad #762 filter in 1KHz slot of 565)
566 has only 1 line out audio channel (565 has stereo line outs)
566 has tendency toward slight distortion on very strong signals (>s9+20dB) where 565 doesn't
566 has slightly more dynamic audio action on strong signals where the 565 is a bit easier on the ears
566 has more reliable internal connections to front panel encoders - 565 encoder action more likely to get intermittent with age
565 has more s-meter options/functionality with latest firmware than 566

Barry N1EU

On Sun, Jun 7, 2015 at 7:37 PM, CEGTV1@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> HELLO TO ALL CAN SOMEONE PLEASE EXPLAIN TO ME THE REAL DIFERENCES
> BETWEN THE ORION 1 AND 2
>
> BESIDES THE COLOR DISPLAY THANKS PAUL
>
>
>
>

10653. Re: [orion565] orion or orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-08 02:29:35 UTC
From: K Van Horn
Topic: 10651 Message: 10653

Barry hit the nail on the head. I believe that because the 566 is a newer radio, there will be a longer time for spare parts to be available than with the 565. The problem with older radios is that US federal law only requires that spare parts on discontinued models (including cars) be available for 7 years. I am talking about discontinued radio parts like microprocessors etc. Just a thought. kirby, k7ec

From: mailto:orion565@yahoogroups.com
Sent: Sunday, 7 June, 2015 15:34
To: Orion565
Subject: Re: [orion565] orion or orion II

The differences in performance are slight between the 565 and 566. To get very picky, here's how I'd differentiate them:

566 has more attractive color display
566 has slightly faster CPU

566 has 4-pole cw roofing filters without need for extra preamp stage (better IMD performance but effective work-around is using Inrad #762 filter in 1KHz slot of 565)

566 has only 1 line out audio channel (565 has stereo line outs)

566 has tendency toward slight distortion on very strong signals (>s9+20dB) where 565 doesn't

566 has slightly more dynamic audio action on strong signals where the 565 is a bit easier on the ears

566 has more reliable internal connections to front panel encoders - 565 encoder action more likely to get intermittent with age

565 has more s-meter options/functionality with latest firmware than 566

Barry N1EU

On Sun, Jun 7, 2015 at 7:37 PM, CEGTV1@AOL.COM [orion565] <orion565@yahoogroups.com> wrote:

HELLO TO ALL CAN SOMEONE PLEASE EXPLAIN TO ME THE REAL DIFERENCES BETWEN THE ORION 1 AND 2

BESIDES THE COLOR DISPLAY THANKS PAUL

10654. Re: [orion565] orion or orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-08 13:27:17 UTC
From: Michael Student
Topic: 10651 Message: 10654

US federal law only requires that spare parts on discontinued models (including cars) be available for 7 years. Urban Legend
73, Mike

On Sunday, June 7, 2015 7:29 PM, "'K Van Horn' k7ec@... [orion565]" <orion565@yahoogroups.com> wrote:

Barry hit the nail on the head. I believe that because the 566 is a newer radio, there will be a longer time for spare parts to be available than with the 565. The problem with older radios is that US federal law only requires that spare parts on discontinued models (including cars) be available for 7 years. I am talking about discontinued radio parts like microprocessors etc. Just a thought. kirby, k7ec From: mailto:orion565@yahoogroups.com Sent: Sunday, 7 June, 2015 15:34To: Orion565 Subject: Re: [orion565] orion or orion II The differences in performance are slight between the 565 and 566. To get very picky, here's how I'd differentiate them:

566 has more attractive color display
566 has slightly faster CPU
566 has 4-pole cw roofing filters without need for extra preamp stage (better IMD performance but effective work-around is using Inrad #762 filter in 1KHz slot of 565)
566 has only 1 line out audio channel (565 has stereo line outs)
566 has tendency toward slight distortion on very strong signals (>s9+20dB) where 565 doesn't
566 has slightly more dynamic audio action on strong signals where the 565 is a bit easier on the ears
566 has more reliable internal connections to front panel encoders - 565 encoder action more likely to get intermittent with age
565 has more s-meter options/functionality with latest firmware than 566

Barry N1EU
On Sun, Jun 7, 2015 at 7:37 PM, CEGTV1@... [orion565] <orion565@yahoogroups.com> wrote:

HELLO TO ALL CAN SOMEONE PLEASE EXPLAIN TO ME THE REAL DIFERENCES BETWEN THE ORION 1 AND 2

BESIDES THE COLOR DISPLAY THANKS PAUL

10655. Ten tec 566

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-10 11:13:34 UTC
From: thorntonbryon8771@...
Topic: 10655 Message: 10655

I have had this radio for what 3 months and it is the best radio I have ever owned. Cable 15 did come loose in shippment and was replaced. But 300.00 dollars later I have the best HF rig ever sold ! I also own a Corsair 2 and Omni D and a triton 4 and this radio does it all. I really cant understand why they stopped making them. Yeah the radio has a few flaws, but Ten Tec needs to start making Orion 3 ! I would get one in a minute. All those Japanese radios are nice but Ten Tec is made here and is a pleasure to listen too and use. Like dad used to say keep it simple right. Thinking about getting a Orion 1 the prices are really coming down if you havent noticed. Any how my take on this great radio. Ten tec if your listening put out some new radio to keep up with the competion please.

10656. Orion Filter Questions

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-12 14:31:34 UTC
From: wb4yal@...
Topic: 10656 Message: 10656

Hello group,

I just purchased an Orion ll that has all 6 roofing filters (3 stock filters plus the 3 optional filters: 1.8, 600, and 300).

I have not figured out how to switch the filters. So my question is: Are the filters chosen automatically by mode? I understand the PB and PW operation but I am totally confused about the filters and the manual has been of no help. Thanks in advance for any help.

73, John WB4YAL

10657. Re: [orion565] Orion Filter Questions

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-12 14:39:50 UTC
From: Barry N1EU
Topic: 10656 Message: 10657

Please read page 35 of the manual and if you still feel the manual is of no help, post a follow-up message and we can go from there.

73, Barry N1EU

On Fri, Jun 12, 2015 at 10:31 AM, wb4yal@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
>
> Hello group,
>
>
> I just purchased an Orion ll that has all 6 roofing filters (3 stock
> filters plus the 3 optional filters: 1.8, 600, and 300).
>
>
> I have not figured out how to switch the filters. So my question is: Are
> the filters chosen automatically by mode? I understand the PB and PW
> operation but I am totally confused about the filters and the manual has
> been of no help. Thanks in advance for any help.
>
>
> 73, John WB4YAL
>
>
>
>
>

10658. Re: Orion Filter Questions

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-12 15:14:13 UTC
From: wb4yal@...
Topic: 10656 Message: 10658

Thanks Barry!

I found that pages 35 to 37 were missing from my printed manual so I downloaded a new manual file and THERE IT WAS!

Appreciate the help!

73, John WB4YAL

10659. Re: [orion565] Re: Orion Filter Questions

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-12 16:23:52 UTC
From: Barry N1EU
Topic: 10656 Message: 10659

That's great John - enjoy your new fantastic radio!

73, Barry N1EU

On Fri, Jun 12, 2015 at 11:14 AM, wb4yal@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Thanks Barry!
>
> I found that pages 35 to 37 were missing from my printed manual so I
> downloaded a new manual file and THERE IT WAS!
>
> Appreciate the help!
>
> 73, John WB4YAL
>
>
>

10660. o 2 battery

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-18 08:45:24 UTC
From: yakbow@...
Topic: 10660 Message: 10660

can some one tell me what the battery number is so i can buy one locally ? thanks.

10661. Re: [orion565] o 2 battery

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-18 08:48:58 UTC
From: Serge
Topic: 10660 Message: 10661

2015-06-18 11:45 GMT+03:00 yakbow@... [orion565] <
orion565@yahoogroups.com>:

>
>
> can some one tell me what the battery number is so i can buy one locally
> ? thanks.
>
>
>
>

[Non-text portions of this message have been removed]

10662. Re: [orion565] o 2 battery

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-18 10:27:27 UTC
From: Wayne Staples
Topic: 10660 Message: 10662

Hi the battery is M4T28-BR12SH1 Time keeper snap hat battery

On 18/06/15 18:45, yakbow@... [orion565] wrote:
>
>
> can some one tell me what the battery number is so i can buy one
> locally ? thanks.
>
>
>
>
>

10663. Headphones with orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-18 13:36:43 UTC
From: Paul DeWitte
Topic: 10663 Message: 10663

Is anyone using the Kenwood HS-5 or the Koss UR 20 headphones with their Orion?
If so how do you like them? Comfort,parts availability (ear pads),
volume compared to the speaker, clairity in speech?

Thanks,73
Paul K9OT

10664. Re: [orion565] Headphones with orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-18 18:50:02 UTC
From: Troy, W6HV
Topic: 10663 Message: 10664

Paul,
I've used the Kenwood HS-5 for years with the Orion. I tried others and settled on this headphone because of the comfort. However, you should re-wire them for stereo. My mod was written up by another ham for QST a few years ago. (He did give me credit!)
73,
Troy, W6HV

-----Original Message-----
From: Paul DeWitte k9ot@... [orion565]
Sent: Thursday, June 18, 2015 6:36 AM
To: orion565@yahoogroups.com
Subject: [orion565] Headphones with orion

Is anyone using the Kenwood HS-5 or the Koss UR 20 headphones with their Orion?
If so how do you like them? Comfort,parts availability (ear pads),
volume compared to the speaker, clairity in speech?

Thanks,73
Paul K9OT

Posted by: Paul DeWitte <k9ot@...>

Yahoo Groups Links

[Non-text portions of this message have been removed]

10665. RE: [orion565] Headphones with orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-18 19:42:47 UTC
From: Ralph Matthews
Topic: 10663 Message: 10665

I've been using the Sony MDR V6 on my Orion II and Omni VII as well as the Omni 6 Plus. They are made for music, and used quite often for studio applications. Nonetheless, they sound great...plenty of volume, etc. The ear pad coverings deteriorate over time, and they can be difficult to put on replacements.

73, Ralph, NA6D

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, June 18, 2015 11:50 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Headphones with orion

Paul,
I've used the Kenwood HS-5 for years with the Orion. I tried others and settled on this headphone because of the comfort. However, you should re-wire them for stereo. My mod was written up by another ham for QST a few years ago. (He did give me credit!) 73, Troy, W6HV

-----Original Message-----
From: Paul DeWitte k9ot@... [orion565]
Sent: Thursday, June 18, 2015 6:36 AM
To: orion565@yahoogroups.com
Subject: [orion565] Headphones with orion

Is anyone using the Kenwood HS-5 or the Koss UR 20 headphones with their Orion?
If so how do you like them? Comfort,parts availability (ear pads), volume compared to the speaker, clairity in speech?

Thanks,73
Paul K9OT

Posted by: Paul DeWitte <k9ot@...>

Yahoo Groups Links

[Non-text portions of this message have been removed]

Posted by: "Troy, W6HV" <w6hv@...>

Yahoo Groups Links

10666. Re: [orion565] Headphones with orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-18 20:11:54 UTC
From: John K7FD
Topic: 10663 Message: 10666

Bose AE2, very light, cups entire ear, super soft leather, comfy for all day...

John K7FD

> On Jun 18, 2015, at 11:50 AM, 'Troy, W6HV' w6hv@verizon.net [orion565] <orion565@yahoogroups.com> wrote:
>
> Paul,
> I've used the Kenwood HS-5 for years with the Orion. I tried others and settled on this headphone because of the comfort. However, you should re-wire them for stereo. My mod was written up by another ham for QST a few years ago. (He did give me credit!)
> 73,
> Troy, W6HV
>
> -----Original Message-----
> From: Paul DeWitte k9ot@... [orion565]
> Sent: Thursday, June 18, 2015 6:36 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Headphones with orion
>
> Is anyone using the Kenwood HS-5 or the Koss UR 20 headphones with their Orion?
> If so how do you like them? Comfort,parts availability (ear pads),
> volume compared to the speaker, clairity in speech?
>
> Thanks,73
> Paul K9OT
>
> ------------------------------------
> Posted by: Paul DeWitte <k9ot@...>
> ------------------------------------
>
> ------------------------------------
>
> Yahoo Groups Links
>
> [Non-text portions of this message have been removed]
>
>

10667. Re: [orion565] o 2 battery

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-21 13:27:08 UTC
From: yakbow@...
Topic: 10660 Message: 10667

thank you very much for the battery information. Mike

10668. small encoders

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-22 16:12:55 UTC
From: Barry N1EU
Topic: 10668 Message: 10668

Does anybody have a part number for a currently available encoder that works as a direct replacement for the six small encoders used in the Orion and Orion II?

Thanks & 73,
Barry N1EU

10669. Any Orions being parted out?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 10:49:02 UTC
From: Barry N1EU
Topic: 10669 Message: 10669

Are there any Orions or OrionIIs out there being parted out?

Thanks & 73,
Barry N1EU

10670. RE: [orion565] Any Orions being parted out?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 14:00:49 UTC
From: Bill Sepulveda
Topic: 10669 Message: 10670

Hi Barry,

I don’t have an Orion for spare parts, but I do have an Orion for sale for $1,400.00 dollars. It is 10 years old, is fully loaded with all filters and built in antenna tuner. I made a CW ID LED box which plugs into Aux. port and flashes when the signal is tuned in to 700 Hz. It will come in the original packing box, power cable, CW ID LED box, Manual, Schematic, and a bunch of articles I have collected over the years. The rig is in very good condition and was well taken care of, and looks like new. It has the V2 factory mod so it will accept all the latest firmware updates. It also has a new display (Blue) which looks neat and little less harsh on the eyes.

If anyone is interest please let me know? I am good on QRZ.

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, June 23, 2015 5:49 AM
To: Orion565; Discussion of Ten-Tec Equipment
Subject: [orion565] Any Orions being parted out?

Are there any Orions or OrionIIs out there being parted out?

Thanks & 73,

Barry N1EU

10671. RE: [orion565] Any Orions being parted out?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 14:02:31 UTC
From: Bill Sepulveda
Topic: 10669 Message: 10671

Sorry I forgot to say that it is $1,400.00 plus shipping.

Tnx,

Bill, K5LN

From: Bill Sepulveda [mailto:k5ln@...]
Sent: Tuesday, June 23, 2015 9:01 AM
To: 'orion565@yahoogroups.com'; 'Discussion of Ten-Tec Equipment'
Subject: RE: [orion565] Any Orions being parted out?

Hi Barry,

I don’t have an Orion for spare parts, but I do have an Orion for sale for $1,400.00 dollars. It is 10 years old, is fully loaded with all filters and built in antenna tuner. I made a CW ID LED box which plugs into Aux. port and flashes when the signal is tuned in to 700 Hz. It will come in the original packing box, power cable, CW ID LED box, Manual, Schematic, and a bunch of articles I have collected over the years. The rig is in very good condition and was well taken care of, and looks like new. It has the V2 factory mod so it will accept all the latest firmware updates. It also has a new display (Blue) which looks neat and little less harsh on the eyes.

If anyone is interest please let me know? I am good on QRZ.

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, June 23, 2015 5:49 AM
To: Orion565; Discussion of Ten-Tec Equipment
Subject: [orion565] Any Orions being parted out?

Are there any Orions or OrionIIs out there being parted out?

Thanks & 73,

Barry N1EU

10672. RE: [orion565] Any Orions being parted out?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 14:26:52 UTC
From: Duane Calvin
Topic: 10669 Message: 10672

I can vouch for Bill's Orion – it is in exceptionally good shape and has been well cared for in a non-smoking environment. And Bill is a class act, too.

Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, June 23, 2015 9:01 AM
To: orion565@yahoogroups.com; 'Discussion of Ten-Tec Equipment'
Subject: RE: [orion565] Any Orions being parted out?

Hi Barry,

I don't have an Orion for spare parts, but I do have an Orion for sale for $1,400.00 dollars. It is 10 years old, is fully loaded with all filters and built in antenna tuner. I made a CW ID LED box which plugs into Aux. port and flashes when the signal is tuned in to 700 Hz. It will come in the original packing box, power cable, CW ID LED box, Manual, Schematic, and a bunch of articles I have collected over the years. The rig is in very good condition and was well taken care of, and looks like new. It has the V2 factory mod so it will accept all the latest firmware updates. It also has a new display (Blue) which looks neat and little less harsh on the eyes.

If anyone is interest please let me know? I am good on QRZ.

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, June 23, 2015 5:49 AM
To: Orion565; Discussion of Ten-Tec Equipment
Subject: [orion565] Any Orions being parted out?

Are there any Orions or OrionIIs out there being parted out?

Thanks & 73,

Barry N1EU

10673. For Sale: Ten-Tec Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 14:43:10 UTC
From: Barry N1EU
Topic: 10673 Message: 10673

Here's a thread for the For Sale Orion.

On Tue, Jun 23, 2015 at 10:26 AM, 'Duane Calvin' ac5aa1@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> I can vouch for Bill’s Orion – it is in exceptionally good shape and has
> been well cared for in a non-smoking environment. And Bill is a class
> act, too.
>
>
>
> Duane
>
>
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
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>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Tuesday, June 23, 2015 9:01 AM
> *To:* orion565@yahoogroups.com; 'Discussion of Ten-Tec Equipment'
> *Subject:* RE: [orion565] Any Orions being parted out?
>
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> Hi Barry,
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>
> I don’t have an Orion for spare parts, but I do have an Orion for sale for
> $1,400.00 dollars. It is 10 years old, is fully loaded with all filters
> and built in antenna tuner. I made a CW ID LED box which plugs into Aux.
> port and flashes when the signal is tuned in to 700 Hz. It will come in

> the original packing box, power cable, CW ID LED box, Manual, Schematic,
> and a bunch of articles I have collected over the years. The rig is in
> very good condition and was well taken care of, and looks like new. It has
> the V2 factory mod so it will accept all the latest firmware updates. It
> also has a new display (Blue) which looks neat and little less harsh on the
> eyes.
>
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>
> If anyone is interest please let me know? I am good on QRZ.
>
>
>
> Tnx,
>
> Bill, K5LN
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10674. Re: [orion565] Any Orions being parted out?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 14:54:43 UTC
From: catfishtwo@...
Topic: 10669 Message: 10674

I have one that works well with tuner and several filters for 1400 bucks,or
?? tom N6AJR

In a message dated 6/23/2015 3:49:09 A.M. Pacific Daylight Time,
orion565@yahoogroups.com writes:

Are there any Orions or OrionIIs out there being parted out?

Thanks & 73,
Barry N1EU

10675. Re: [orion565] Any Orions being parted out?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 15:00:56 UTC
From: Barry N1EU
Topic: 10669 Message: 10675

seriously? I guess I know how to find a good used Orion - just advertise for parts from a busted Orion.

73, Barry N1EU

On Tue, Jun 23, 2015 at 10:54 AM, catfishtwo@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I have one that works well with tuner and several filters for 1400
> bucks,or ?? tom N6AJR
>
> In a message dated 6/23/2015 3:49:09 A.M. Pacific Daylight Time,
> orion565@yahoogroups.com writes:
>
>
>
> Are there any Orions or OrionIIs out there being parted out?
>
> Thanks & 73,
> Barry N1EU
>
>
>

10676. Re: [orion565] Any Orions being parted out?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 15:04:15 UTC
From: catfishtwo@...
Topic: 10669 Message: 10676

I guess that means they never break :)

In a message dated 6/23/2015 8:01:03 A.M. Pacific Daylight Time,
orion565@yahoogroups.com writes:

seriously? I guess I know how to find a good used Orion - just advertise
for parts from a busted Orion.

73, Barry N1EU

On Tue, Jun 23, 2015 at 10:54 AM, _catfishtwo@..._
(mailto:catfishtwo@...) [orion565] <_orion565@yahoogroups.com_
(mailto:orion565@yahoogroups.com) > wrote:

I have one that works well with tuner and several filters for 1400
bucks,or ?? tom N6AJR

In a message dated 6/23/2015 3:49:09 A.M. Pacific Daylight Time,
orion565@yahoogroups.com (mailto:orion565@yahoogroups.com) writes:

Are there any Orions or OrionIIs out there being parted out?

Thanks & 73,
Barry N1EU

10677. Re: [orion565] Any Orions being parted out?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 15:53:37 UTC
From: Barry N1EU
Topic: 10669 Message: 10677

good luck with that

On Tue, Jun 23, 2015 at 11:04 AM, catfishtwo@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> I guess that means they never break :)
>
>
> In a message dated 6/23/2015 8:01:03 A.M. Pacific Daylight Time,
> orion565@yahoogroups.com writes:
>
>
>
> seriously? I guess I know how to find a good used Orion - just advertise
> for parts from a busted Orion.
>
> 73, Barry N1EU
>
> On Tue, Jun 23, 2015 at 10:54 AM, catfishtwo@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> I have one that works well with tuner and several filters for 1400
>> bucks,or ?? tom N6AJR
>>
>> In a message dated 6/23/2015 3:49:09 A.M. Pacific Daylight Time,
>> orion565@yahoogroups.com writes:
>>
>>
>>
>> Are there any Orions or OrionIIs out there being parted out?
>>
>> Thanks & 73,
>> Barry N1EU
>>
>>
>
>

10678. Orion for sale.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 17:04:08 UTC
From: Bill Sepulveda
Topic: 10678 Message: 10678

Hello Everyone,
I was informed that this is the link to sell Orion's.
I have an Orion for sale for $1,400.00 dollars plus shipping.
It is 10 years old, fully loaded with all filters and built in antenna tuner.
I made a CW ID LED box which plugs into Aux. port and flashes when the signal is tuned in to 700 Hz.
It will come in the original packing box, power cable, CW ID LED box, Manual, Schematic, and a bunch of articles I have collected over the years.

The rig is in very good condition and was well taken care of, and looks like new. It has the V2 factory mod so it will accept all the latest firmware updates. It also has a new display (Blue) which looks neat and little less harsh on the eyes.
If anyone is interest please let me know? I am good on QRZ.
Tnx,
Bill, K5LN

Tnx,
Bill Sepulveda

10679. Re: [orion565] Any Orions being parted out?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 19:08:32 UTC
From: Steven Kline
Topic: 10669 Message: 10679

Hi Bill, did you have the 565 at Ham Com couple weeks ago?

Steve - W5JK

> On Jun 23, 2015, at 9:00 AM, 'Bill Sepulveda' k5ln@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Hi Barry,
>
>
>
> I don’t have an Orion for spare parts, but I do have an Orion for sale for $1,400.00 dollars. It is 10 years old, is fully loaded with all filters and built in antenna tuner. I made a CW ID LED box which plugs into Aux. port and flashes when the signal is tuned in to 700 Hz. It will come in the original packing box, power cable, CW ID LED box, Manual, Schematic, and a bunch of articles I have collected over the years. The rig is in very good condition and was well taken care of, and looks like new. It has the V2 factory mod so it will accept all the latest firmware updates. It also has a new display (Blue) which looks neat and little less harsh on the eyes.
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> If anyone is interest please let me know? I am good on QRZ.
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> Tnx,
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> Bill, K5LN
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>   <>
> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com> [mailto:orion565@...m <mailto:orion565@yahoogroups.com>]
> Sent: Tuesday, June 23, 2015 5:49 AM
> To: Orion565; Discussion of Ten-Tec Equipment
> Subject: [orion565] Any Orions being parted out?
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> Are there any Orions or OrionIIs out there being parted out?
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>
> Thanks & 73,
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> Barry N1EU
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10680. Re: [orion565] Any Orions being parted out?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 21:08:31 UTC
From: k5ln
Topic: 10669 Message: 10680

Hi Steve,

Yes I had the same radio at Ham Com.

Tnx,
Bill, K5LN
------ Original message------
From: Steven Kline skline4@verizon.net [orio...
Date: Tue, Jun 23, 2015 2:08 PM
To: orion565@yahoogroups.com;
Subject:Re: [orion565] Any Orions being parted out?

Hi Bill, did you have the 565 at Ham Com couple weeks ago?

Steve - W5JK

On Jun 23, 2015, at 9:00 AM, 'Bill Sepulveda' k5ln@austin.rr.com [orion565] <orion565@yahoogroups.com> wrote:

Hi Barry,

I don’t have an Orion for spare parts, but I do have an Orion for sale for $1,400.00 dollars. It is 10 years old, is fully loaded with all filters and built in antenna tuner. I made a CW ID LED box which plugs into Aux. port and flashes when the signal is tuned in to 700 Hz. It will come in the original packing box, power cable, CW ID LED box, Manual, Schematic, and a bunch of articles I have collected over the years. The rig is in very good condition and was well taken care of, and looks like new. It has the V2 factory mod so it will accept all the latest firmware updates. It also has a new display (Blue) which looks neat and little less harsh on the eyes.

If anyone is interest please let me know? I am good on QRZ.

Tnx,
Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, June 23, 2015 5:49 AM
To: Orion565; Discussion of Ten-Tec Equipment
Subject: [orion565] Any Orions being parted out?

Are there any Orions or OrionIIs out there being parted out?

Thanks & 73,
Barry N1EU

10681. Re: [orion565] Any Orions being parted out?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-06-23 21:30:34 UTC
From: Steven Kline
Topic: 10669 Message: 10681

Hi Bill, I was surprised to see it show up here on the reflector. Thought it sounded like same radio. I honestly didn't think you would be bringing that radio back home. Beautiful radio and absolutely excellent condition. Will be an outstanding find and treasure for someone.

Enjoyed chatting with you at the show.

Bests - Steve W5JK

> On Jun 23, 2015, at 4:08 PM, k5ln k5ln@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Hi Steve,
>
> Yes I had the same radio at Ham Com.
>
> Tnx,
> Bill, K5LN
> ------ Original message------
> From: Steven Kline skline4@verizon.net <mailto:skline4@...> [orio...
> Date: Tue, Jun 23, 2015 2:08 PM
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>;
> Subject:Re: [orion565] Any Orions being parted out?
>
>
> Hi Bill, did you have the 565 at Ham Com couple weeks ago?
>
>
> Steve - W5JK
>
>
>> On Jun 23, 2015, at 9:00 AM, 'Bill Sepulveda' k5ln@... <mailto:k5ln@...> [orion565]
<orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>>
>>
>> Hi Barry,
>>
>>
>>
>> I don't have an Orion for spare parts, but I do have an Orion for sale for $1,400.00 dollars. It is 10 years old, is fully loaded with all filters and built in antenna tuner. I made a CW ID LED box which plugs into Aux. port and flashes when the signal is tuned in to 700 Hz. It will come in the original packing box, power cable, CW ID LED box, Manual, Schematic, and a bunch of articles I have collected over the years. The rig is in very good condition and was well taken care of, and looks like new. It has the V2 factory mod so it will accept all the latest firmware updates. It also has a new display (Blue) which looks

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>> If anyone is interest please let me know? I am good on QRZ.
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>> Tnx,
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>> Bill, K5LN
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>>   <>
>> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
>> Sent: Tuesday, June 23, 2015 5:49 AM
>> To: Orion565; Discussion of Ten-Tec Equipment
>> Subject: [orion565] Any Orions being parted out?
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>> Are there any Orions or OrionIIs out there being parted out?
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>> Thanks & 73,
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>> Barry N1EU
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10682. J Henry now developer for HRD

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-03 02:57:27 UTC
From: saukp@...
Topic: 10682 Message: 10682

Ham Radio Deluxe Expands Staff: Katie Allen (WY7YL) http://www.eham.net/user/profile/WY7YL on June 30, 2015
Add a comment about this article! http://www.eham.net/forums/post/Articles/L34902

Ham Radio Deluxe News: The HRD Team is Growing Tampa, FL; Dallas, TX; St. Paul, MN – June 29, 2015
HRD Software, LLC is pleased to announce the addition of John Henry, KI4JPL to the HRD

Ham Radio Deluxe News: The HRD Team is Growing Tampa, FL; Dallas, TX; St. Paul, MN – June 29, 2015

HRD Software, LLC is pleased to announce the addition of John Henry, KI4JPL to the HRD Development Staff and Robin Moseley, G1MHU to the Support Staff. Rick Ruhl, W4PC said, “As our product continues to reach more ham shacks, the need to increase our staff in both development and support became apparent. I'm thrilled to bring their expertise into the HRD family.”

John, KI4JPL has been a software developer since 1987, working for various companies and most recently working with TEN-TEC developing rig firmware and pc applications, as well as major parts of several other products. "I'm looking forward to what I can do with HRD and help out with adding new features and supporting the growth of another market leader," said John.

10683. Re: [orion565] J Henry now developer for HRD

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-03 13:57:46 UTC
From: catfishtwo@...
Topic: 10682 Message: 10683

Good luck in your newest endeavor. tom N6AJR

In a message dated 7/2/2015 7:57:30 P.M. Pacific Daylight Time, orion565@yahoogroups.com writes:

Ham Radio Deluxe Expands Staff:
_Katie Allen (WY7YL) _ (http://www.eham.net/user/profile/WY7YL) on June 30, 2015
Add a comment about this article! (http://www.eham.net/forums/post/Articles/L34902)

Ham Radio Deluxe News: The HRD Team is Growing Tampa, FL; Dallas, TX; St. Paul, MN – June 29, 2015
HRD Software, LLC is pleased to announce the addition of John Henry, KI4JPL to the HRD

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John, KI4JPL has been a software developer since 1987, working for various companies and most recently working with TEN-TEC developing rig firmware and pc applications, as well as major parts of several other products. "I'm looking forward to what I can do with HRD and help out with adding new features and supporting the growth of another market leader," said John.

10684. Orion out put

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-04 04:52:02 UTC
From: blauchlin@...
Topic: 10684 Message: 10684

My power out put is starting to shoot up to 125 watts and seems to be over shooting were i have it set .....If i have it set at 70 % output i am getting some peaks over 125 watts

10685. Wanted: Antenna tuner for Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-04 18:11:27 UTC
From: K
Topic: 10685 Message: 10685

I am looking for an automatic tuner to go inside a TenTec Orion transceiver. As I recall, both TenTec and LDG made such tuners. I think the LDG number is OP-11, although TenTec also had one with their own number on it. I have been told it is the same tuner as in the TenTec Jupiter as well, but am not 100% positive of that.

Does anyone have one, or know where one might be found? Or any info of any sort?

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

10686. Re: [orion565] Wanted: Antenna tuner for Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-04 19:41:20 UTC
From: Stephen Cannon
Topic: 10685 Message: 10686

The Ten Tec antenna tuner is model AT566K. There were other models e.g. the H and J, at least I have seen the install sheets for them. The manual is available from RKR Designs (the new Ten Tec owner/Company (I realize you are looking for the AT unit itself). Several years ago I went seriously looking for an OP-11 and could not find one anywhere. I also read that the OP-11 was made by LDG for Ten Tec.

Steve AD7TD

On 7/4/2015 12:11 PM, K KenW8EK@... [orion565] wrote:
>
> I am looking for an automatic tuner to go inside a TenTec
> Orion transceiver. As I recall, both TenTec and LDG made
> such tuners. I think the LDG number is OP-11, although
> TenTec also had one with their own number on it. I have
> been told it is the same tuner as in the TenTec Jupiter as
> well, but am not 100% positive of that.
>
> Does anyone have one, or know where one might be found?
> Or any info of any sort?
>
> Thanks.
>
> 73,
>
> Ken, W8EK
>
> Ken Simpson
> E-mail to W8EK@... or W8EK@...
> Voice Phone (352) 732-8400
>
>

10687. Re: [orion565] Wanted: Antenna tuner for Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-04 20:34:42 UTC
From: K
Topic: 10685 Message: 10687

Thanks for the info, Steve.

My antennas, unfortunately have about a 2 or 2.5 to 1 SWR, which the Orion will work with, but I would feel better with a tuner in there to flatten it out.

Hopefully someone will have one of the various flavors of tuners.

Thanks.

73,

Ken, W8EK

Stephen Cannon sugar_bears_home@... [orion565] wrote on 7/4/2015 3:41 PM:

>
>
> The Ten Tec antenna tuner is model AT566K. There were other models
> e.g. the H and J, at least I have seen the install sheets for them.
> The manual is available from RKR Designs (the new Ten Tec
> owner/Company (I realize you are looking for the AT unit itself).
> Several years ago I went seriously looking for an OP-11 and could not
> find one anywhere. I also read that the OP-11 was made by LDG for Ten
> Tec.
>
> Steve AD7TD
>
> On 7/4/2015 12:11 PM, K KenW8EK@... [orion565] wrote:
>>
>> I am looking for an automatic tuner to go inside a TenTec
>> Orion transceiver. As I recall, both TenTec and LDG made
>> such tuners. I think the LDG number is OP-11, although
>> TenTec also had one with their own number on it. I have
>> been told it is the same tuner as in the TenTec Jupiter as
>> well, but am not 100% positive of that.
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>> Does anyone have one, or know where one might be found?
>> Or any info of any sort?
>>
>> Thanks.
>>
>> 73,
>>
>> Ken, W8EK
>>

>> Ken Simpson
>> E-mail to W8EK@... or W8EK@...
>> Voice Phone (352) 732-8400
>>
>
>
>

10688. 565 for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-04 23:22:06 UTC
From: brian@...
Topic: 10688 Message: 10688

I am selling my 565 asking $1200.
It has all filters, Heil Desk mic and 302 Encoder/keypad.
It has no antenna tuner and is missing the cable for the 302.
A Z10000B has been installed to allow additional receivers to be used running from the same antenna. I can move the the pick for this to the IF output if required.

If you are interested please email direct to brian @kf6c.com

10689. Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 11:15:23 UTC
From: Bill Snyder
Topic: 6561 Message: 10689

Hi Everyone, New to this group and I currently don’t own a Orion. I first saw the Orion at a hamfest a couple of years ago. After talking to the owner I was really excited about everything this radio will do. I have read the blogs here about the difference between the two radios. After some research I have found some people saying that they are having some problems. My question is are these common problems or just kind of hit and miss. I know some radios get a bad rap when a small percentage have problems. So if someone could let me know what to look for and what questions to ask when buying a Orion I would greatly appreciate it. Thanks Bill WR4G

10690. Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 19:53:13 UTC
From: n5tf@...
Topic: 6561 Message: 10690

I know of no better rig on the used market today. These rigs are trending from 1200 to 1500 on the used market. For ease of use but yet sophistication where it counts ie in the receiver, I believe there is nothing better for the money. I see some Hams reporting issues with displays and some of the internal boards as the rigs get a few years on them... All in all, these rigs are very reliable and problem free. I am on my second one. I sold my first one and missed it so much I found another used one earlier this year and bought it. Sold two Yaesu rigs to make room and funding available. I currently own the Ten Tec Omni VII, Yaesu FTDX 1200, Flex 5000 with tuner/2nd RX and a Orion 1. The Orion and Omni VII are my two most favorite rigs. Simply try and find one from a reputable Ham...I saw one recently with all the filters and a few extras for $1200, a heck of a deal.

N5TF, Terry

10691. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 20:02:34 UTC
From: amfone
Topic: 6561 Message: 10691

Terry
I agree with all you say and have owned an original Orion for better than 10 years. I wonder about repair however now that TT is on it's second owner in 6 months. Wonder if anyone has any input on availability of repair?
Thanks TimWB8UHZ

On Sunday, July 5, 2015 7:53 PM, "n5tf@yahoo.com [orion565]" <orion565@yahoogroups.com> wrote:

I know of no better rig on the used market today. These rigs are trending from 1200 to 1500 on the used market. For ease of use but yet sophistication where it counts ie in the receiver, I believe there is nothing better for the money. I see some Hams reporting issues with displays and some of the internal boards as the rigs get a few years on them... All in all, these rigs are very reliable and problem free. I am on my second one. I sold my first one and missed it so much I found another used one earlier this year and bought it. Sold two Yaesu rigs to make room and funding available. I currently own the Ten Tec Omni VII, Yaesu FTDX 1200, Flex 5000 with tuner/2nd RX and a Orion 1. The Orion and Omni VII are my two most favorite rigs. Simply try and find one from a reputable Ham...I saw one recently with all the filters and a few extras for $1200, a heck of a deal.
N5TF, Terry

10692. RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 20:04:30 UTC
From: n5tf@...
Topic: 8852 Message: 10692

Does anyone have an RX-366 for sale?
Contact me at my callsign at yahoo.

N5TF, Terry

10693. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 20:09:22 UTC
From: n5tf@...
Topic: 6561 Message: 10693

The last repair I had performed, I ordered parts from Taiwan and my local Ham friend did the repair..Still some guys out there that are happy to repair the Ten Tecs, our rigs are well documented and easy to navigate internally...The parts obsolescence issue concerns some Hams but it is not much different than rigs only a year old, case in point - I needed a voltage regulator for my Yaesu which was only slightly out of warranty and the part was not available in US, ordered it from Taiwan. Parts changing so rapidly, end users and manufacturers are having problems keeping up.

N5TF, Terry

10694. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 20:16:58 UTC
From: amfone
Topic: 6561 Message: 10694

Terry
Is TT still repairing the Orion? Are there independent repair centers or anybody repairing the Orion?
73 Tim

On Sunday, July 5, 2015 8:09 PM, "n5tf@... [orion565]" <orion565@yahoogroups.com> wrote:

The last repair I had performed, I ordered parts from Taiwan and my local Ham friend did the repair..Still some guys out there that are happy to repair the Ten Tecs, our rigs are well documented and easy to navigate internally...The parts obsolescence issue concerns some Hams but it is not much different than rigs only a year old, case in point - I needed a voltage regulator for my Yaesu which was only slightly out of warranty and the part was not available in US, ordered it from Taiwan. Parts changing so rapidly, end users and manufacturers are having problems keeping up.
N5TF, Terry

10695. Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 20:32:19 UTC
From: Bill Snyder
Topic: 6561 Message: 10695

Well I guess I am going to start looking for a Orion. I was thinking they were a great buy for what they sold for new. And probably a lot of the problems are easy repairs. Sometimes a radio will get a bad rap from just a few hams. I have heard lots of problems for the Kenwood TS-940. I have owned several of them without any problems. Still have one and will keep it till it dies. With the orion I can probably twist the knobs and change the settings for years without getting tired of it. hi hi. Thanks for all the feedback. Bill WR4G

10696. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 20:49:34 UTC
From: amfone
Topic: 6561 Message: 10696

Bill
You will really like the Orion it has a tremendous receiver and is really a great radio. If you are interested in AM phone it sounds just like a plate modulated rig on AM. If you add an amplifier you will have a big sounding AM rig with a great receiver. The Orion really should still be made, but it is not all I can say is that it has a top of the line receiver.
73 Tim
WB8UHZ

On Sunday, July 5, 2015 8:32 PM, "'Bill Snyder' mgbv8@... [orion565]" <orion565@yahoogroups.com> wrote:

Well I guess I am going to start looking for a Orion. I was thinking they were a great buy for what they sold for new. And probably a lot of the problems are easy repairs. Sometimes a radio will get a bad rap from just a few hams. I have heard lots of problems for the Kenwood TS-940. I have owned several of them without any problems. Still have one and will keep it till it dies. With the orion I can probably twist the knobs and change the settings for years without getting tired of it. hi hi. Thanks for all the feedback.
Bill WR4G

10697. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 21:11:03 UTC
From: Tarniowy
Topic: 6561 Message: 10697

Tim,
I did few repairs on Orion 1 and Orion 2. Almost everything can be fixed . Only problem is with Logic board. In some cases even the logic board can be fixed. The worst think is if the processor or CDL chip (if I remember terminology correct) is bad . They need to be programmed . I ask ten tec about the bootloader to put in bland chip and then use the firmware upgrade file to download it to the processor. But They said is not that easy and something also new to be programmed and adjusted . But the good news is that they still supporting Orion and Orion 2(last time when I spoke with them they have both boards in stack). Rest of the rig is relatively easy to be fix. Of course if you have big dame to the rig from thunder light or so than maybe is not unprofitable but this is the different story.
So again Yes the "ten tec" is still supporting the Orion and Orion 2 and Yes the rig can be fixed.

Arek
AC2FC

On Jul 5, 2015, at 4:16 PM, "amfone amfone20000@yahoo.com [orion565]" <orion565@yahoogroups.com> wrote:

> Terry
>
> Is TT still repairing the Orion? Are there independent repair centers or anybody repairing the Orion?
>
> 73 Tim
>
>
>
> On Sunday, July 5, 2015 8:09 PM, "n5tf@... [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> The last repair I had performed, I ordered parts from Taiwan and my local Ham friend did the repair..Still some guys out there that are happy to repair the Ten Tecs, our rigs are well documented and easy to navigate internally...The parts obsolescence issue concerns some Hams but it is not much different than rigs only a year old, case in point - I needed a voltage regulator for my Yaesu which was only slightly out of warranty and the part was not available in US, ordered it from Taiwan. Parts changing so rapidly, end users and manufacturers are having problems keeping up.
>
> N5TF, Terry
>
>
>

10698. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 21:12:14 UTC
From: catfishtwo@...
Topic: 6561 Message: 10698

I love mine, never a problem, get one with all filters, and internal tuner,$ 1400 is a fair price for that works!! . they were $4000 new, got mine used about a year after the were new for 3400 tom N6AJR

In a message dated 7/5/2015 1:32:28 P.M. Pacific Daylight Time, orion565@yahoogroups.com writes:

R

Well I guess I am going to start looking for a Orion. I was thinking they were a great buy for what they sold for new. And probably a lot of the problems are easy repairs. Sometimes a radio will get a bad rap from just a few hams. I have heard lots of problems for the Kenwood TS-940. I have owned several of them without any problems. Still have one and will keep it till it dies. With the orion I can probably twist the knobs and change the settings for years without getting tired of it. hi hi. Thanks for all the feedback. Bill WR4G

10699. Microphone for Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 21:43:18 UTC
From: w333x2@...
Topic: 10699 Message: 10699

What is a good quality mic for the Orion. Mine has the 4 pin connector so it might need the 8 pin adapter.

10700. Re: [orion565] Microphone for Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 22:00:56 UTC
From: catfishtwo@...
Topic: 10699 Message: 10700

heil

.

In a message dated 7/5/2015 2:43:19 P.M. Pacific Daylight Time,
orion565@yahoogroups.com writes:

What is a good quality mic for the Orion. Mine has the 4 pin connector so
it might need the 8 pin adapter.

10701. Re: Orion out put

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-05 22:17:43 UTC
From: saukp@...
Topic: 10684 Message: 10701

this appears to be alc issue...
i have had this happen

just need to get inside and tweek the alc pot..
run it back and forth and then set it to proper 100watts output

see
http://www.ad4c.us/Tentec%20HF%20manuals_/Orion%20II/optimizing%20RF%20out%20and%20speech%20proc.pdf http://www.ad4c.us/Tentec%20HF%20manuals_/Orion%20II/optimizing%20RF%20out%20and%20speech%20proc.pdf

paul k3sf

10702. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-06 00:33:16 UTC
From: n5tf@...
Topic: 6561 Message: 10702

Believe TT still repairing but my repairs were done local. Easy radio to troubleshoot and layed out well.

Terry, N5TF

10703. Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-06 00:33:23 UTC
From: n5tf@...
Topic: 6561 Message: 10703

You won't be sorry, try to find a deal which includes all the filters and the remote VFO knob with memory buttons aka 302 encoder, its a great addition for using CW and voice memories....don't hesitate to ask questions. will help if I can.

N5TF, Terry

10704. Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-06 00:41:45 UTC
From: n5tf@...
Topic: 6561 Message: 10704

Check out ad in QTH.COM. NQ4I has some beautiful rigs with low hours as they were used for contest stations. I bought one from him, fully tricked out with antenna tuner, fan, and all the filters...
Great guy and honest. He is located outside of Atlanta.
His ad follows:
I have three more pristine Orion 565's for sale...you won't find a better price or better equipped radio than one of these!
1. 565 AT (has internal Antenna Tuner) with TenTec Stock filters $1200
or LOADED CW and SSB filters $1350 Serial number 08C10424
2. 565 (no internal antenna tuner) with Stock TenTec filters $1100 or LOADED CW and SSB filters $1250. Serial number 09C10052
3. 565 (no internal antenna tuner) with Stock TenTec filters for $1100 or LOADED CW and SSB filters $1250.
I have lots of accessories to go with these radios...
4. Astron RS-35A power supply. Excellent shape for $85 plus shipping.
5. I have 2 or 3 Yaesu wattmeters These are the best PEP reading wattmeters on the market! Priced at $115 plus shipping.
6. MicroHam Microkeyers version I...priced at $100 and I have a number of microphone interface cables for ther Orion, FT-100MP, and K2 for $45 plus shipping.
7. Bencher Keyer paddles Black finish $65 plus shipping.
8. Filters for Orion radios

Terry N5TF

10705. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-06 01:48:31 UTC
From: Tony
Topic: 6561 Message: 10705

Hi all,
KC2QMA has a fully loaded ORION-II for sale with many options. Check his QRZ.COM page.
73, Tony VE3DWI.

Sent?from?my?BlackBerry?10?smartphone?on?the?Bell?network.

From: n5tf@... [orion565]
Sent: Sunday, July 5, 2015 20:33
To: orion565@...m
Reply To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 565

?

You won't be sorry, try to find a deal which includes all the filters and?the remote VFO knob with memory buttons aka 302 encoder, its a great addition for using CW and voice memories....don't hesitate to ask questions.? will help if I can.

N5TF,? Terry

10706. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-06 12:09:00 UTC
From: Barry N1EU
Topic: 6561 Message: 10706

A couple of comments to this thread:

1. The Orion originally sold for $3300 without ATU.

2. In terms of reliability, if you are first purchasing one now, I would recommend the Orion II over the Orion. The Orion tends to have more issues than the Orion II now that they're all 10+ years old, with the encoders and LCD display being specific potential trouble spots. But IF you're comfortable opening up a radio and making your own repairs, an Orion is also a good choice.

73, Barry N1EU

On Sun, Jul 5, 2015 at 9:48 PM, Tony va3dwi@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi all,
> KC2QMA has a fully loaded ORION-II for sale with many options. Check his
> QRZ.COM page.
> 73, Tony VE3DWI.
>
> Sent from my BlackBerry 10 smartphone on the Bell network.
> *From: *n5tf@... [orion565]
> *Sent: *Sunday, July 5, 2015 20:33
> *To: *orion565@yahoogroups.com
> *Reply To: *orion565@yahoogroups.com
> *Subject: *[orion565] Re: Orion 565
>
>
>
> You won't be sorry, try to find a deal which includes all the filters
> and the remote VFO knob with memory buttons aka 302 encoder, its a great
> addition for using CW and voice memories....don't hesitate to ask
> questions. will help if I can.
>
>
> N5TF, Terry
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>

10707. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-06 14:19:59 UTC
From: Bill Snyder
Topic: 6561 Message: 10707

I want to thank everyone for all the input. I knew about the lcd display but there is a replacement out there for that. As far as the encoder I understand that can also be repaired. As with any older radio things will pop up. Now I need to sell a couple of radios to fund the purchase. Thanks again everyone. I will post a blog when I get one and brag about it. hi hi. Bill WR4G

From: mailto:orion565@yahoogroups.com
Sent: Monday, July 06, 2015 7:09 AM
To: Orion565
Subject: Re: [orion565] Re: Orion 565

A couple of comments to this thread:

1. The Orion originally sold for $3300 without ATU.

2. In terms of reliability, if you are first purchasing one now, I would recommend the Orion II over the Orion. The Orion tends to have more issues than the Orion II now that they're all 10+ years old, with the encoders and LCD display being specific potential trouble spots. But IF you're comfortable opening up a radio and making your own repairs, an Orion is also a good choice.

73, Barry N1EU

On Sun, Jul 5, 2015 at 9:48 PM, Tony va3dwi@... [orion565] <orion565@yahoogroups.com> wrote:

Hi all,KC2QMA has a fully loaded ORION-II for sale with many options. Check his QRZ.COM page.73, Tony VE3DWI.
Sent from my BlackBerry 10 smartphone on the Bell network.
From: n5tf@... [orion565]
Sent: Sunday, July 5, 2015 20:33
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 565

You won't be sorry, try to find a deal which includes all the filters and the remote VFO knob with memory buttons aka 302 encoder, its a great addition for using CW and voice memories....don't hesitate to ask questions. will help if I can.

N5TF, Terry

10708. Re: [orion565] Re: Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-06 14:42:29 UTC
From: Barry N1EU
Topic: 6561 Message: 10708

There's a replacement LCD, but it's blue and personally, I wouldn't want it.

Actually, the RIT and Multi encoders are more troublesome than the tuning encoders but I've had issues with all of them. The fix is NOT to replace the encoders because the problem is in the connector, not the encoder itself. Besides, both the original small encoders AND the original tuning encoders are no longer available and exact replacements have never been identified to the best of my knowledge. Anyway, the only long-term fix for the intermittent issue with the encoders is to apply silver conductive grease to the connector terminals, but it's a fairly difficult messy process to perform properly.

I just make these comments as a warning so you know what you're getting into. If it wasn't for the maintenance issues, I would actually prefer the 565 over the 566.

Barry N1EU

On Mon, Jul 6, 2015 at 10:19 AM, 'Bill Snyder' mgbv8@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I want to thank everyone for all the input. I knew about the lcd display
> but there is a replacement out there for that. As far as the encoder I
> understand that can also be repaired. As with any older radio things will
> pop up. Now I need to sell a couple of radios to fund the purchase. Thanks
> again everyone. I will post a blog when I get one and brag about it. hi hi.
> Bill WR4G
>
> *From:* mailto:orion565@yahoogroups.com <orion565@yahoogroups.com>
> *Sent:* Monday, July 06, 2015 7:09 AM
> *To:* Orion565 <orion565@yahoogroups.com>
> *Subject:* Re: [orion565] Re: Orion 565
>
>
>
> A couple of comments to this thread:
>
> 1. The Orion originally sold for $3300 without ATU.
>
> 2. In terms of reliability, if you are first purchasing one now, I would
> recommend the Orion II over the Orion. The Orion tends to have more issues
> than the Orion II now that they're all 10+ years old, with the encoders and
> LCD display being specific potential trouble spots. But IF you're
> comfortable opening up a radio and making your own repairs, an Orion is

> also a good choice.
>
> 73, Barry N1EU
>
> On Sun, Jul 5, 2015 at 9:48 PM, Tony va3dwi@... [orion565] <
> orion565@yahoogroups.com> wrote:
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>>
>> Hi all,
>> KC2QMA has a fully loaded ORION-II for sale with many options. Check his
>> QRZ.COM page.
>> 73, Tony VE3DWI.
>> Sent from my BlackBerry 10 smartphone on the Bell network.
>> *From: *n5tf@... [orion565]
>> *Sent: *Sunday, July 5, 2015 20:33
>> *To: *orion565@yahoogroups.com
>> *Reply To: *orion565@yahoogroups.com
>> *Subject: *[orion565] Re: Orion 565
>>
>>
>>
>> You won't be sorry, try to find a deal which includes all the filters and
>> the remote VFO knob with memory buttons aka 302 encoder, its a great
>> addition for using CW and voice memories....don't hesitate to ask
>> questions. will help if I can.
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>> N5TF, Terry
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>

10709. Re: 565 for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-06 17:54:44 UTC
From: brian@...
Topic: 10688 Message: 10709

I am sorry if this showed up as a strange posting, I used gw8bga as a yahoo name years ago. G8BGA was my first call and I operated from was quite often.

This was my first posting to the grooop and not paying attention to the rules I added my email address.

73 to all

KF6C G3ZVC San Marcos CA>

---In orion565@yahoogroups.com, <brian@...> wrote :

I am selling my 565 asking $1200.
It has all filters, Heil Desk mic and 302 Encoder/keypad.
It has no antenna tuner and is missing the cable for the 302.
A Z10000B has been installed to allow additional receivers to be used running from the same antenna. I can move the the pick for this to the IF output if required.

If you are interested please email direct to brian @...

10711. Re: J Henry now developer for HRD

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-06 23:49:49 UTC
From: saukp@...
Topic: 10682 Message: 10711

JH message to all

From: John Henry <jshenry1963@... mailto:jshenry1963@...>
Date: June 30, 2015 at 5:47:24 PM MST
To:. mailto:tentec@...
Subject: [TenTec] Update by John Henry

I'm sending this to let people understand a bit better my position, what I'm doing, etc. Have had a ton of emails and a few reflector queries, so, thought I'd address them all at once, clear the air, so that people can get back to the intent of these groups and talk about TEN-TEC, how does the xyz gizmo work, when is the Orion III coming out, etc.

I am doing contract software development and software project management in the evenings. I am commuting to a company in another town in TN for my main income and benefits and did elect to join them as a full time employee. The jobs I am taking on will help give me experience in areas that I want to learn and grow in that I could not get at RKR Designs. Needless to say, I am busy from 7am until 10/11pm every weekday, and then enjoying the weekends with my lovely wife and my family.

One of the contracting efforts is for Ham Radio Deluxe. I'm trying to resolve problems, add new digital modes, etc. A couple of the reasons I chose HRD are the very same reasons I chose TEN-TEC years ago. The tradition of the products/service/company, and I think I can make a positive contribution. Simon HB9DRV created a heck of a product that served this hobby very well for many years, and Rick Ruhl W4PC and partners seem to want to continue on and make it better. Time will tell how this all works out.

Some of the contract jobs may give me a reason to go to Dayton and other hamventions, so, who knows, you may see me there plugging something new, changes or updates to HRD, etc.

I wish TEN-TEC all the success in the world, this was not a negative departure, but a positive one for myself and my family. Remember the saying that is very applicable here.... "One person does not a company make".... Me leaving there does not spell doom and disaster for TEN-TEC. For example, as of the date I left, it is no secret, I disclosed this at Dayton and in various forums, there was an Orion II firmware update in progress, I was helping coordinate the software change and the beta test activity, but I was not the one making the actual software changes. So, hopefully that is still in process. My absence should not affect that effort and the only difference in the

end may be TEN-TEC releases it as a .ruf file instead of an installer, well, no big deal, download the previous installer, this new ruf, and program your 566 selecting this ruf file. Simple. When necessary, TEN-TEC can get software subcontractors to handle firmware updates or to work on new product software. So, my leaving only gives them an interesting bump in the road, not something to yell the sky is falling about. They will survive, they have since 1968.

Regarding LinkedIn and FaceBook, wow, I have had about 175 requests for LI and 50 new for FaceBook since MONDAY this week, argh. Please, don't be offended if I say no, I only accept those that I know of or worked with/through/acquaintances personally. FaceBook is mainly family and VERY close friends so only a few will get accepted there, and LI is for those that I have had working working relationships with, not casual "howdy's" at hamfests.

I do intend to once in a while check the reflectors and groups and where I can answer something positively to help, but don't expect me to be there every day and answer asap as some people expect. I'm quite busy with this new schedule.

I wish you all well, I have enjoyed all of the "going's ons" on the reflectors, the phone calls, the hamfests, etc. Do feel free to push the above text around to whatever reflector you want, please keep it in tact because excerpts can be misinterpreted, as there is nothing ulterior or negative meant in any of this. I have never been that way. I'll post this to the Yahoo Groups TEN-TEC group, and the lists.contesting.com http://lists.contesting.com reflector, but that is all from me for now.

So, please drop the speculation of "the sky is falling" around TEN-TEC, as far as I know, it is going to make it another 40+ years. And, now I can join the crowd asking when the Orion III will be ready. hi hi hi. (No, not stating TT was working on anything when I was there, geesh, better kill this rumor before it starts, lol)

Thanks, and 73,
John Henry, KI4JPL
"doing my own thing".

10712. Re: Orion out put

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-07 02:43:06 UTC
From: blauchlin@...
Topic: 10684 Message: 10712

Hey that worked great thank you very much

10713. Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-08 03:51:30 UTC
From: John Palese
Topic: 10713 Message: 10713

I would like to add a 2nd rig to my station which is a K3.

What is the bigger bang for the buck an O7 or Orion?

If an Orion the I or II?

73
John

10714. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-08 09:00:35 UTC
From: Barry N1EU
Topic: 10713 Message: 10714

Orion I and II are both big bang for the buck - potentially more bang with the Orion I but a bit more risk of repair being needed in the near term (LCD screen losing contrast, intermittent encoders).

Never used an O7.

Barry N1EU

On Tue, Jul 7, 2015 at 11:51 PM, John Palese wb9jph@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I would like to add a 2nd rig to my station which is a K3.
>
> What is the bigger bang for the buck an O7 or Orion?
>
> If an Orion the I or II?
>
> 73
> John
>
>
>

10715. Re: Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-08 10:36:33 UTC
From: Edward A Feustel
Topic: 10713 Message: 10715

I have both. Each has all filters. The only advantages of the Omni that I can see are 6 meter coverage, smaller size, and direct ethernet connection. In all other respects, I prefer the Orion.
I like the larger number of crystal filters and the greater number of possible settings of the digital filters. I like the convenience of a key jack on the back of the Orion. I like the option of multiple receivers on the Orion. I have the original wide band receiver. You may be able to find an Orion 565 or 566 with the extra ham band only receiver. I like the option of binaural reception with one receiver on one ear and the other on the other ear. I like the
I like the variety of menu settings on the Orion. I think the menu is better organized on the Orion, since the settings are hierarchically organized by function.

I bought a used Orion when the Orion II came out. I studied the differences before deciding. The key differences are a use of a color LCD and a faster interface processor required in part because of the color display. This difference and the difference in cost caused me to choose the Orion.

Apparently the cost of Orions is now less than that of Omni VIIs. Orion 2s are rarer and more expensive.

Good luck in finding what you want! I will be interested in your side by side comparison of the K3 and Ten Tec.

73,

Ed, N5EI

10716. Re: [orion565] Re: Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-08 10:57:47 UTC
From: Barry N1EU
Topic: 10713 Message: 10716

Good info from Ed, but two comments:

1. The RX366 optional second receiver is not ham bands only, although it incorporates bandpass filtering that favors the ham bands.
2. The Orion II was offered for 8 years (2006-2013) and the Orion for 3 years (2003-2005), so I'm not sure if the Orion II is actually "rarer." The Orion II sold for $4500 and the Orion sold for $3300, so I think that mainly accounts for the difference in resale value of the two rigs.

I had the K3 and Orion side by side for about 6 years. I found that they were essentially equal in performance but very different in terms of user interface.

Barry N1EU

On Wed, Jul 8, 2015 at 6:36 AM, Edward A Feustel efeustel@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> I have both. Each has all filters. The only advantages of the Omni that
> I can see are 6 meter coverage, smaller size, and direct ethernet
> connection. In all other respects, I prefer the Orion.
> I like the larger number of crystal filters and the greater number of
> possible settings of the digital filters. I like the convenience of a
> key jack on the back of the Orion. I like the option of multiple
> receivers on the Orion. I have the original wide band receiver. You may
> be able to find an Orion 565 or 566 with the extra ham band only
> receiver. I like the option of binaural reception with one receiver on
> one ear and the other on the other ear. I like the
> I like the variety of menu settings on the Orion. I think the menu is
> better organized on the Orion, since the settings are hierarchically
> organized by function.
>
> I bought a used Orion when the Orion II came out. I studied the
> differences before deciding. The key differences are a use of a color
> LCD and a faster interface processor required in part because of the
> color display. This difference and the difference in cost caused me to
> choose the Orion.
>
> Apparently the cost of Orions is now less than that of Omni VIIs. Orion
> 2s are rarer and more expensive.
>
> Good luck in finding what you want! I will be interested in your side by
> side comparison of the K3 and Ten Tec.
>

> 73,
>
> Ed, N5EI
>
>
>

10717. Re: Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-08 11:11:35 UTC
From: ericrosenberg.dc@...
Topic: 10713 Message: 10717

Orion 565 by a long shot.

Make sure it has the v3 firmware and hardware mods.

Eric W3DQ

10718. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-08 11:32:37 UTC
From: thorntonbryon8771@yahoo.com
Topic: 10713 Message: 10718

Why is the Orion so much better than the 2 ? Thanks
Sent from my Verizon 4G LTE Smartphone
------ Original message------From: Barry N1EU barry.n1eu@... [orion565]Date: Wed, Jul 8, 2015 5:25 AMTo: Orion565;Cc: Subject:Re: [orion565] Orion or Omni VII?
? Orion I and II are both big bang for the buck - potentially more bang with the Orion I but a bit more risk of repair being needed in the near term (LCD screen losing contrast, intermittent encoders).
Never used an O7.
Barry N1EU
On Tue, Jul 7, 2015 at 11:51 PM, John Palese wb9jph@... [orion565] <orion565@yahoogroups.com> wrote:
? I would like to add a 2nd rig to my station which is a K3.

What is the bigger bang for the buck an O7 or Orion?

If an Orion the I or II?

73
John

10719. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-08 11:44:23 UTC
From: Barry N1EU
Topic: 10713 Message: 10719

Who said it was?

On Wed, Jul 8, 2015 at 7:32 AM, 'thorntonbryon8771@yahoo.com'
thorntonbryon8771@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Why is the Orion so much better than the 2 ? Thanks
>
>
> Sent from my Verizon 4G LTE Smartphone
>
>
> ------ Original message------
>
> *From: *Barry N1EU barry.n1eu@... <+barry.n1eu@...> [orion565]
>
> *Date: *Wed, Jul 8, 2015 5:25 AM
>
> *To: *Orion565;
>
> *Cc: *
>
> *Subject:*Re: [orion565] Orion or Omni VII?
>
>
>
>
>
> Orion I and II are both big bang for the buck - potentially more bang with
> the Orion I but a bit more risk of repair being needed in the near term
> (LCD screen losing contrast, intermittent encoders).
>
> Never used an O7.
>
> Barry N1EU
>
> On Tue, Jul 7, 2015 at 11:51 PM, John Palese wb9jph@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> I would like to add a 2nd rig to my station which is a K3.
>>
>> What is the bigger bang for the buck an O7 or Orion?
>>

>> If an Orion the I or II?
>>
>> 73
>> John
>>
>>
>
>

10720. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-08 11:58:29 UTC
From: thorntonbryon8771@yahoo.com
Topic: 10713 Message: 10720

Quite a few people seem to think it is. I was thinking about getting a loaded Orion 1 I have a orion 2 and it's the best radio I have even used besides my triton 4 and I also have a omni d and a corsair 2, I was posing the question is it better plus my Orion 2 doesn't have the sub 366 and I want to get the sub receiver. Thanks
Sent from my Verizon 4G LTE Smartphone
------ Original message------From: Barry N1EU barry.n1eu@... [orion565]Date: Wed, Jul 8, 2015 7:44 AMTo: Orion565;Cc: Subject:Re: [orion565] Orion or Omni VII?
? Who said it was?
On Wed, Jul 8, 2015 at 7:32 AM, 'thorntonbryon8771@...' thorntonbryon8771@... [orion565] <orion565@yahoogroups.com> wrote:
? Why is the Orion so much better than the 2 ? Thanks
Sent from my Verizon 4G LTE Smartphone
------ Original message------From: Barry N1EU barry.n1eu@... [orion565]Date: Wed, Jul 8, 2015 5:25 AMTo: Orion565;Cc: Subject:Re: [orion565] Orion or Omni VII?
? Orion I and II are both big bang for the buck - potentially more bang with the Orion I but a bit more risk of repair being needed in the near term (LCD screen losing contrast, intermittent encoders).
Never used an O7.
Barry N1EU
On Tue, Jul 7, 2015 at 11:51 PM, John Palese wb9jph@... [orion565] <orion565@yahoogroups.com> wrote:
? I would like to add a 2nd rig to my station which is a K3.

What is the bigger bang for the buck an O7 or Orion?

If an Orion the I or II?

73
John

10721. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-08 12:20:23 UTC
From: Barry N1EU
Topic: 10713 Message: 10721

http://www.tentecwiki.org/doku.php?id=565better

On Wed, Jul 8, 2015 at 7:58 AM, 'thorntonbryon8771@...'
thorntonbryon8771@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Quite a few people seem to think it is. I was thinking about getting a
> loaded Orion 1 I have a orion 2 and it's the best radio I have even used
> besides my triton 4 and I also have a omni d and a corsair 2, I was posing
> the question is it better plus my Orion 2 doesn't have the sub 366 and I
> want to get the sub receiver. Thanks
>
>
> Sent from my Verizon 4G LTE Smartphone
>
>
> ------ Original message------
>
> *From: *Barry N1EU barry.n1eu@... <+barry.n1eu@gmail.com> [orion565]
>
> *Date: *Wed, Jul 8, 2015 7:44 AM
>
> *To: *Orion565;
>
> *Cc: *
>
> *Subject:*Re: [orion565] Orion or Omni VII?
>
>
>
>
>
> Who said it was?
>
> On Wed, Jul 8, 2015 at 7:32 AM, 'thorntonbryon8771@...'
> thorntonbryon8771@... [orion565] <orion565@yahoogroups.com> wrote:
>
>>
>>
>> Why is the Orion so much better than the 2 ? Thanks
>>
>>
>> Sent from my Verizon 4G LTE Smartphone
>>
>>

>> ------ Original message------
>>
>> *From: *Barry N1EU barry.n1eu@... <+barry.n1eu@...>
>> [orion565]
>>
>> *Date: *Wed, Jul 8, 2015 5:25 AM
>>
>> *To: *Orion565;
>>
>> *Cc: *
>>
>> *Subject:*Re: [orion565] Orion or Omni VII?
>>
>>
>>
>>
>> Orion I and II are both big bang for the buck - potentially more bang
>> with the Orion I but a bit more risk of repair being needed in the near
>> term (LCD screen losing contrast, intermittent encoders).
>>
>> Never used an O7.
>>
>> Barry N1EU
>>
>> On Tue, Jul 7, 2015 at 11:51 PM, John Palese wb9jph@... [orion565] <
>> orion565@yahoogroups.com> wrote:
>>
>>>
>>>
>>> I would like to add a 2nd rig to my station which is a K3.
>>>
>>> What is the bigger bang for the buck an O7 or Orion?
>>>
>>> If an Orion the I or II?
>>>
>>> 73
>>> John
>>>
>>>
>>
>
>

10723. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-08 19:19:49 UTC
From: k1fpv@...
Topic: 10713 Message: 10723

Well, I can't speak to the original Orion as I only have the Orion 2, but I also have the OMNI VII, and comparing the Orion 2 to the OMNI VII, I think the Orion 2 beats the OMNI VII by a large margin.

I was fortunate to buy my Orion 2 used with know issues. Beeing a retired EE, I went through my Orion 2 got it going and since then, the only time I had to open it up was to replace the battery a while ago. While it was open, I also adjusted the TCXO as it had drifted off frequency slightly. Oh...my OMNI VII also has it's TCXO off a bit. I'll be opening it up and getting it adjusted right on soon too.

Performance and featurewise, I'll take the Orion II hands down!

Bill
K1FPV

10724. Re: [orion565] Re: Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-08 22:33:21 UTC
From: K Van Horn
Topic: 10713 Message: 10724

Greetings all,
The reason the Orion I is more popular is that they are cheaper and many more of them were produced. The Orion 2s were discontinued due to the non availability of critical parts used in their manufacture. Some of the parts could be substituted, but massive firmware rewrites would have been required(read starting over from scratch), hence the reason to discontinue the O2.
I do not know the EXACT number of the radios produced, but there were over 7000 Orion I radios manufactured and less than 2000 Orion II radios manufactured. There were not very many RX366 Sub receivers manufactured. My uninformed guess would be less than 500. Could be much less, but I suspect not more!
There are also more really good competitor radios now than there were back then. Flex, Elecraft, Anan, Hilberling, and Icom 7851 to mention a few of the better radios.
It is all about keeping the costs low, so that one can make payroll and stay in a very competitive business!
73,
kirby, k7ec

From: mailto:orion565@yahoogroups.com
Sent: Wednesday, 8 July, 2015 04:57
To: Orion565
Subject: Re: [orion565] Re: Orion or Omni VII?

Good info from Ed, but two comments:

1. The RX366 optional second receiver is not ham bands only, although it incorporates bandpass filtering that favors the ham bands.
2. The Orion II was offered for 8 years (2006-2013) and the Orion for 3 years (2003-2005), so I'm not sure if the Orion II is actually "rarer." The Orion II sold for $4500 and the Orion sold for $3300, so I think that mainly accounts for the difference in resale value of the two rigs.

I had the K3 and Orion side by side for about 6 years. I found that they were essentially equal in performance but very different in terms of user interface.

Barry N1EU

On Wed, Jul 8, 2015 at 6:36 AM, Edward A Feustel efeustel@... [orion565] <orion565@yahoogroups.com> wrote:

I have both. Each has all filters. The only advantages of the Omni that I can see are 6 meter coverage, smaller size, and direct ethernet connection. In all other respects, I prefer the Orion.
I like the larger number of crystal filters and the greater number of possible settings of the digital filters. I like the convenience of a key jack on the back of the Orion. I like the option of multiple receivers on the Orion. I have the original wide band receiver. You may be able to find an Orion 565 or 566 with the extra ham band only

receiver. I like the option of binaural reception with one receiver on one ear and the other on the other ear. I like the
I like the variety of menu settings on the Orion. I think the menu is better organized on the Orion, since the settings are hierarchically organized by function.

I bought a used Orion when the Orion II came out. I studied the differences before deciding. The key differences are a use of a color LCD and a faster interface processor required in part because of the color display. This difference and the difference in cost caused me to choose the Orion.

Apparently the cost of Orions is now less than that of Omni VIIs. Orion 2s are rarer and more expensive.

Good luck in finding what you want! I will be interested in your side by side comparison of the K3 and Ten Tec.

73,

Ed, N5EI

10725. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 07:42:43 UTC
From: Wayne Staples
Topic: 10713 Message: 10725

On 08/07/15 13:51, John Palese wb9jph@... [orion565] wrote:
> I would like to add a 2nd rig to my station which is a K3.
>
> What is the bigger bang for the buck an O7 or Orion?
>
> If an Orion the I or II?
>
> 73
> John
>
>
>
> ------------------------------------
> Posted by: John Palese <wb9jph@...>
> ------------------------------------
>
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>
Hi John

The Orion II is good but the the Orion I is by far the better transceiver of the two I have a Orion I with version 2 hardware mod version 3 firmware. If the screen starts to loose contrast it is a easy fix to change the capacitors on the power distribution board.

73 VK4EU Wayne

10726. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 08:56:21 UTC
From: Robert Glover
Topic: 10713 Message: 10726

Greetings from England,
I need to replace the battery in my O2 , which I have had from new. Can somebody tell me the part number of a manufacturer please. I understand that there are two sizes, can I use either?
Also I noted that some of the filters were not soldered in; should they be? If they need to be soldered should I use tin/lead as normal or the lead free variety of solder?

Regards
Robert M0BJX

From: mailto:orion565@yahoogroups.com
Sent: Wednesday, July 08, 2015 8:19 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion or Omni VII?

Well, I can't speak to the original Orion as I only have the Orion 2, but I also have the OMNI VII, and comparing the Orion 2 to the OMNI VII, I think the Orion 2 beats the OMNI VII by a large margin.

I was fortunate to buy my Orion 2 used with know issues. Beeing a retired EE, I went through my Orion 2 got it going and since then, the only time I had to open it up was to replace the battery a while ago. While it was open, I also adjusted the TCXO as it had drifted off frequency slightly. Oh...my OMNI VII also has it's TCXO off a bit. I'll be opening it up and getting it adjusted right on soon too.

Performance and featurewise, I'll take the Orion II hands down!

Bill
K1FPV

10727. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 10:03:41 UTC
From: Barry N1EU
Topic: 10713 Message: 10727

On Thu, Jul 9, 2015 at 7:42 AM, Wayne Staples vk4eu@...
[orion565] <orion565@yahoogroups.com> wrote:

>
> The Orion II is good but the the Orion I is by far the better
> transceiver of the two

Please explain this strong statement Wayne. I had both side-by-side for several years and found any differences to be subtle. I think it was only true when the Orion II was first released with v2 firmware. At that time the Orion with v1 firmware was definitely preferable to the Orion II with v2 firmware, mainly because the gain distribution in the early v2 firmware was not well implemented and the Orion II was prone to distortion.

But with v3 firmware, I found the two rigs to perform almost identically. I previously posted a link to a few comparative comments.

Barry N1EU

10728. M0BJX O2 questions

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 10:07:17 UTC
From: Barry N1EU
Topic: 10728 Message: 10728

Robert, you should start a new thread with a new subject.

Battery information is given at
http://www.tentecwiki.org/doku.php?id=565battery - the battery is the same
in the 565 and 566

No, don't solder in the filters. There should be a retention cover over
the filter compartment.

Barry N1EU

On Thu, Jul 9, 2015 at 8:56 AM, 'Robert Glover' Robert.Glover@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Greetings from England,
> I need to replace the battery
> in my O2 , which I have had from new. Can somebody tell me the part
> number of a manufacturer please. I understand that there are two sizes,
> can I use either?
> Also I noted that some of the filters were not soldered in;
> should they be? If they need to be soldered should I use tin/lead as
> normal or the lead free variety of solder?
>
> Regards
> Robert M0BJX
>
> *From:* mailto:orion565@yahoogroups.com <orion565@yahoogroups.com>
> *Sent:* Wednesday, July 08, 2015 8:19 PM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Orion or Omni VII?
>
>
>
>
> Well, I can't speak to the original Orion as I only have the Orion 2, but
> I also have the OMNI VII, and comparing the Orion 2 to the OMNI VII, I
> think the Orion 2 beats the OMNI VII by a large margin.
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> I was fortunate to buy my Orion 2 used with know issues. Beeing a retired
> EE, I went through my Orion 2 got it going and since then, the only time I
> had to open it up was to replace the battery a while ago. While it was
> open, I also adjusted the TCXO as it had drifted off frequency slightly.
> Oh...my OMNI VII also has it's TCXO off a bit. I'll be opening it up and
> getting it adjusted right on soon too.
>

> Performance and featurewise, I'll take the Orion II hands down!
>
> Bill
> K1FPV
>
>
>

10729. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 15:18:17 UTC
From: amfone
Topic: 10713 Message: 10729

Question is, as I have an Orion, is TT still repairing it?
Tim
WB8UHZ

On Thursday, July 9, 2015 10:03 AM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:

On Thu, Jul 9, 2015 at 7:42 AM, Wayne Staples vk4eu@... [orion565] <orion565@yahoogroups.com> wrote:

The Orion II is good but the the Orion I is by far the better
transceiver of the two

Please explain this strong statement Wayne. I had both side-by-side for several years and found any differences to be subtle. I think it was only true when the Orion II was first released with v2 firmware. At that time the Orion with v1 firmware was definitely preferable to the Orion II with v2 firmware, mainly because the gain distribution in the early v2 firmware was not well implemented and the Orion II was prone to distortion.

But with v3 firmware, I found the two rigs to perform almost identically. I previously posted a link to a few comparative comments.

Barry N1EU

10730. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 15:42:33 UTC
From: Barry N1EU
Topic: 10713 Message: 10730

yes but if you're concerned you should just call them

Barry N1EU

On Thu, Jul 9, 2015 at 11:18 AM, amfone amfone20000@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Question is, as I have an Orion, is TT still repairing it?
>
> Tim
>
> WB8UHZ
>
>
>
> On Thursday, July 9, 2015 10:03 AM, "Barry N1EU barry.n1eu@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
>
>
>
> On Thu, Jul 9, 2015 at 7:42 AM, Wayne Staples vk4eu@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
>
> The Orion II is good but the the Orion I is by far the better
> transceiver of the two
>
>
> Please explain this strong statement Wayne. I had both side-by-side for
> several years and found any differences to be subtle. I think it was only
> true when the Orion II was first released with v2 firmware. At that time
> the Orion with v1 firmware was definitely preferable to the Orion II with
> v2 firmware, mainly because the gain distribution in the early v2 firmware
> was not well implemented and the Orion II was prone to distortion.
>
> But with v3 firmware, I found the two rigs to perform almost identically.
> I previously posted a link to a few comparative comments.
>
> Barry N1EU
>
>
>

>
>
>

10731. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 15:45:16 UTC
From: amfone
Topic: 10713 Message: 10731

Barry I emailed TT but no reply I will call them.
Thanks Tim

On Thursday, July 9, 2015 3:42 PM, "Barry N1EU barry.n1eu@... [orion565]"
<orion565@yahoogroups.com> wrote:

  yes but if you're concerned you should just call them
Barry N1EU
On Thu, Jul 9, 2015 at 11:18 AM, amfone amfone20000@... [orion565]
<orion565@yahoogroups.com> wrote:

  Question is, as I have an Orion, is TT still repairing it?
Tim
WB8UHZ

On Thursday, July 9, 2015 10:03 AM, "Barry N1EU barry.n1eu@gmail.com [orion565]"
<orion565@yahoogroups.com> wrote:

On Thu, Jul 9, 2015 at 7:42 AM, Wayne Staples vk4eu@... [orion565]
<orion565@yahoogroups.com> wrote:

The Orion II is good but the the Orion I is by far the better
transceiver of the two

Please explain this strong statement Wayne. I had both side-by-side for several years and found any differences to be subtle. I think it was only true when the Orion II was first released with v2 firmware. At that time the Orion with v1 firmware was definitely preferable to the Orion II with v2 firmware, mainly because the gain distribution in the early v2 firmware was not well implemented and the Orion II was prone to distortion.

But with v3 firmware, I found the two rigs to perform almost identically. I previously posted a link to a few comparative comments.

Barry N1EU

10732. Re: [orion565] M0BJX O2 questions

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 16:09:26 UTC
From: Robert Glover
Topic: 10728 Message: 10732

Thanks, and pardon my error of protocol.
Regards
Robert M0BJX

From: mailto:orion565@yahoogroups.com
Sent: Thursday, July 09, 2015 11:07 AM
To: Orion565
Subject: [orion565] M0BJX O2 questions

Robert, you should start a new thread with a new subject.

Battery information is given at http://www.tentecwiki.org/doku.php?id=565battery - the battery is the same in the 565 and 566

No, don't solder in the filters. There should be a retention cover over the filter compartment.

Barry N1EU

On Thu, Jul 9, 2015 at 8:56 AM, 'Robert Glover' Robert.Glover@... [orion565] <orion565@yahoogroups.com> wrote:

Greetings from England,
I need to replace the battery in my O2 , which I have had from new. Can somebody tell me the part number of a manufacturer please. I understand that there are two sizes, can I use either?
Also I noted that some of the filters were not soldered in; should they be? If they need to be soldered should I use tin/lead as normal or the lead free variety of solder?

Regards
Robert M0BJX

From: mailto:orion565@yahoogroups.com
Sent: Wednesday, July 08, 2015 8:19 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion or Omni VII?

Well, I can't speak to the original Orion as I only have the Orion 2, but I also have the OMNI VII, and comparing the Orion 2 to the OMNI VII, I think the Orion 2 beats the OMNI VII by a large margin.

I was fortunate to buy my Orion 2 used with know issues. Beeing a retired EE, I went through my Orion 2 got it going and since then, the only time I had to open it up was to replace the battery a while ago. While it was open, I also adjusted the TCXO as it had drifted off frequency slightly. Oh...my OMNI VII also has it's TCXO off a bit. I'll be opening it up and getting it adjusted right on soon too.

Performance and featurewise, I'll take the Orion II hands down!

Bill
K1FPV

10733. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 16:23:14 UTC
From: kb9pns
Topic: 10713 Message: 10733

I emailed them this week too. No reply... Is this going to be the trend? Sent via the Samsung Galaxy S™ III, an AT&T 4G LTE smartphone
-------- Original message --------
From: "amfone amfone20000@yahoo.com [orion565]"
Date:07/09/2015 10:45 (GMT-06:00)
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion or Omni VII?

Barry I emailed TT but no reply I will call them. Thanks Tim On Thursday, July 9, 2015 3:42 PM, "Barry N1EU barry.n1eu@gmail.com [orion565]" wrote: yes but if you're concerned you should just call them Barry N1EU On Thu, Jul 9, 2015 at 11:18 AM, amfone amfone20000@yahoo.com [orion565] wrote: Question is, as I have an Orion, is TT still repairing it? Tim WB8UHZ On Thursday, July 9, 2015 10:03 AM, "Barry N1EU barry.n1eu@gmail.com [orion565]" wrote: On Thu, Jul 9, 2015 at 7:42 AM, Wayne Staples vk4eu@optusnet.com.au [orion565] wrote: The Orion II is good but the the Orion I is by far the better transceiver of the two Please explain this strong statement Wayne. I had both side-by-side for several years and found any differences to be subtle. I think it was only true when the Orion II was first released with v2 firmware. At that time the Orion with v1 firmware was definitely preferable to the Orion II with v2 firmware, mainly because the gain distribution in the early v2 firmware was not well implemented and the Orion II was prone to distortion. But with v3 firmware, I found the two rigs to perform almost identically. I previously posted a link to a few comparative comments. Barry N1EU

10734. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 16:33:33 UTC
From: Barry N1EU
Topic: 10713 Message: 10734

It's nothing new that emails to Ten-Tec sometimes go unanswered and folks always say to pick up a phone and call them

Barry N1EU

On Thu, Jul 9, 2015 at 12:23 PM, kb9pns kb9pns@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I emailed them this week too.
> No reply...
> Is this going to be the trend?
>
>
> Sent via the Samsung Galaxy S™ III, an AT&T 4G LTE smartphone
>
>
> -------- Original message --------
> From: "amfone amfone20000@... [orion565]"
> Date:07/09/2015 10:45 (GMT-06:00)
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion or Omni VII?
>
>
>
> Barry I emailed TT but no reply I will call them.
>
> Thanks Tim
>
>
>
> On Thursday, July 9, 2015 3:42 PM, "Barry N1EU barry.n1eu@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> yes but if you're concerned you should just call them
>
> Barry N1EU
>
> On Thu, Jul 9, 2015 at 11:18 AM, amfone amfone20000@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
> Question is, as I have an Orion, is TT still repairing it?

>
> Tim
>
> WB8UHZ
>
>
>
> On Thursday, July 9, 2015 10:03 AM, "Barry N1EU barry.n1eu@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
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>
>
>
> On Thu, Jul 9, 2015 at 7:42 AM, Wayne Staples vk4eu@...m.au
> [orion565] <orion565@yahoogroups.com> wrote:
>
>
> The Orion II is good but the the Orion I is by far the better
> transceiver of the two
>
>
> Please explain this strong statement Wayne. I had both side-by-side for
> several years and found any differences to be subtle. I think it was only
> true when the Orion II was first released with v2 firmware. At that time
> the Orion with v1 firmware was definitely preferable to the Orion II with
> v2 firmware, mainly because the gain distribution in the early v2 firmware
> was not well implemented and the Orion II was prone to distortion.
>
> But with v3 firmware, I found the two rigs to perform almost identically.
> I previously posted a link to a few comparative comments.
>
> Barry N1EU
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10735. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 16:37:50 UTC
From: John K7FD
Topic: 10713 Message: 10735

In the past, TT Sales seemed to reply whereas Repair not so much...but don't know about the new outfit.

John K7FD

> On Jul 9, 2015, at 9:33 AM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
> It's nothing new that emails to Ten-Tec sometimes go unanswered and folks always say to pick up a phone and call them
>
> Barry N1EU
>
>> On Thu, Jul 9, 2015 at 12:23 PM, kb9pns kb9pns@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>> I emailed them this week too.
>> No reply...
>> Is this going to be the trend?
>>
>>
>> Sent via the Samsung Galaxy S™ III, an AT&T 4G LTE smartphone
>>
>>
>> -------- Original message --------
>> From: "amfone amfone20000@... [orion565]"
>> Date:07/09/2015 10:45 (GMT-06:00)
>> To: orion565@yahoogroups.com
>> Subject: Re: [orion565] Orion or Omni VII?
>>
>>
>> Barry I emailed TT but no reply I will call them.
>>
>> Thanks Tim
>>
>>
>>
>> On Thursday, July 9, 2015 3:42 PM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:
>>
>>
>>
>> yes but if you're concerned you should just call them
>>
>> Barry N1EU

>>
>> On Thu, Jul 9, 2015 at 11:18 AM, amfone amfone20000@... [orion565]
<orion565@yahoogroups.com> wrote:
>>
>> Question is, as I have an Orion, is TT still repairing it?
>>
>> Tim
>>
>> WB8UHZ
>>
>>
>>
>> On Thursday, July 9, 2015 10:03 AM, "Barry N1EU barry.n1eu@... [orion565]"
<orion565@yahoogroups.com> wrote:
>>
>>
>>
>>
>>
>> On Thu, Jul 9, 2015 at 7:42 AM, Wayne Staples vk4eu@....au [orion565]
<orion565@yahoogroups.com> wrote:
>>
>> The Orion II is good but the the Orion I is by far the better
>> transceiver of the two
>>
>> Please explain this strong statement Wayne. I had both side-by-side for several years and found any differences to be subtle. I think it was only true when the Orion II was first released with v2 firmware. At that time the Orion with v1 firmware was definitely preferable to the Orion II with v2 firmware, mainly because the gain distribution in the early v2 firmware was not well implemented and the Orion II was prone to distortion.
>>
>> But with v3 firmware, I found the two rigs to perform almost identically. I previously posted a link to a few comparative comments.
>>
>> Barry N1EU
>
>

10736. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 16:45:03 UTC
From: kb9pns
Topic: 10713 Message: 10736

Ok Barry...will do! Sent via the Samsung Galaxy S™ III, an AT&T 4G LTE smartphone
-------- Original message --------
From: "Barry N1EU barry.n1eu@gmail.com [orion565]"
Date:07/09/2015 11:33 (GMT-06:00)
To: Orion565
Subject: Re: [orion565] Orion or Omni VII?

It's nothing new that emails to Ten-Tec sometimes go unanswered and folks always say to pick up a phone and call them Barry N1EU On Thu, Jul 9, 2015 at 12:23 PM, kb9pns kb9pns@yahoo.com [orion565] wrote: I emailed them this week too. No reply... Is this going to be the trend? Sent via the Samsung Galaxy S™ III, an AT&T 4G LTE smartphone -------- Original message -------- From: "amfone amfone20000@yahoo.com [orion565]" Date:07/09/2015 10:45 (GMT-06:00) To: orion565@yahoogroups.com Subject: Re: [orion565] Orion or Omni VII? Barry I emailed TT but no reply I will call them. Thanks Tim On Thursday, July 9, 2015 3:42 PM, "Barry N1EU barry.n1eu@gmail.com [orion565]" wrote: yes but if you're concerned you should just call them Barry N1EU On Thu, Jul 9, 2015 at 11:18 AM, amfone amfone20000@yahoo.com [orion565] wrote: Question is, as I have an Orion, is TT still repairing it? Tim WB8UHZ On Thursday, July 9, 2015 10:03 AM, "Barry N1EU barry.n1eu@gmail.com [orion565]" wrote: On Thu, Jul 9, 2015 at 7:42 AM, Wayne Staples vk4eu@optusnet.com.au [orion565] wrote: The Orion II is good but the the Orion I is by far the better transceiver of the two Please explain this strong statement Wayne. I had both side-by-side for several years and found any differences to be subtle. I think it was only true when the Orion II was first released with v2 firmware. At that time the Orion with v1 firmware was definitely preferable to the Orion II with v2 firmware, mainly because the gain distribution in the early v2 firmware was not well implemented and the Orion II was prone to distortion. But with v3 firmware, I found the two rigs to perform almost identically. I previously posted a link to a few comparative comments. Barry N1EU

10737. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 17:19:00 UTC
From: Wayne Staples
Topic: 10713 Message: 10737

On 09/07/15 20:03, Barry N1EU barry.n1eu@... [orion565] wrote:
>
>
>
>
> On Thu, Jul 9, 2015 at 7:42 AM, Wayne Staples vk4eu@...
> <mailto:vk4eu@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
>
> The Orion II is good but the the Orion I is by far the better
> transceiver of the two
>
>
> Please explain this strong statement Wayne. I had both side-by-side
> for several years and found any differences to be subtle. I think it
> was only true when the Orion II was first released with v2 firmware.
> At that time the Orion with v1 firmware was definitely preferable to
> the Orion II with v2 firmware, mainly because the gain distribution in
> the early v2 firmware was not well implemented and the Orion II was
> prone to distortion.
>
> But with v3 firmware, I found the two rigs to perform almost
> identically. I previously posted a link to a few comparative comments.
>
> Barry N1EU
>
>
>
>
>
Hi Barry

I don't think it was a strong statement just my opinion when I had a friends 02 along side my 01 and at the time both had v2 firmware and the 01 was better at handling strong signals and the agc had slight edge. I must say I have not had the two rigs side by side with v3 firmware so you could may well be correct.

I have friend with a 02 and he had some problems with some of the v3 firmware updates for the 02.

The other thing is I'm Ozzie so what would I know.

Cheers Wayne VK4EU

10738. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-09 17:33:23 UTC
From: Barry N1EU
Topic: 10713 Message: 10738

Thanks for the update Wayne. Yes, it was true with v2 firmware but not with v3 firmware. And the Orion was better with v1 firmware than v2 firmware.

Your friend's v3 update problems are uncommon.

Barry N1EU

On Thu, Jul 9, 2015 at 1:19 PM, Wayne Staples vk4eu@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> On 09/07/15 20:03, Barry N1EU barry.n1eu@gmail.com [orion565] wrote:
>
>
>
> On Thu, Jul 9, 2015 at 7:42 AM, Wayne Staples vk4eu@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
>>
>> The Orion II is good but the the Orion I is by far the better
>> transceiver of the two
>
>
> Please explain this strong statement Wayne. I had both side-by-side for
> several years and found any differences to be subtle. I think it was only
> true when the Orion II was first released with v2 firmware. At that time
> the Orion with v1 firmware was definitely preferable to the Orion II with
> v2 firmware, mainly because the gain distribution in the early v2 firmware
> was not well implemented and the Orion II was prone to distortion.
>
> But with v3 firmware, I found the two rigs to perform almost
> identically. I previously posted a link to a few comparative comments.
>
> Barry N1EU
>
>
> Hi Barry
>
> I don't think it was a strong statement just my opinion when I had a
> friends 02 along side my 01 and at the time both had v2 firmware and the 01
> was better at handling strong signals and the agc had slight edge. I must
> say I have not had the two rigs side by side with v3 firmware so you could
> may well be correct.
>

> I have friend with a 02 and he had some problems with some of the v3
> firmware updates for the 02.
>
> The other thing is I'm Ozzie so what would I know.
>
> Cheers Wayne VK4EU
>
>
>
>

10740. sdr

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-12 02:30:49 UTC
From: blauchlin@...
Topic: 10740 Message: 10740

Any one had any luck using omni-rig with there Orion or Jupiter .I am trying to use my SDR receiver with sdr console and a afedrie sdr radio .....

10741. Orion 565 on Ebay.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-12 23:11:13 UTC
From: brian@...
Topic: 10741 Message: 10741

My Orion 565 is on Ebay No 181800959602

73 Brian KF6C.

10742. Re: small encoders

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-14 12:56:19 UTC
From: Barry N1EU
Topic: 10668 Message: 10742

Just an update that I successfully performed the encoder replacement. For the brave of heart, I posted info to http://www.tentecwiki.org/doku.php?id=565enc

73, Barry N1EU

On Mon, Jun 22, 2015 at 12:12 PM, Barry N1EU <barry.n1eu@...> wrote:

> Does anybody have a part number for a currently available encoder that
> works as a direct replacement for the six small encoders used in the Orion
> and Orion II?
>
> Thanks & 73,
> Barry N1EU
>

10743. Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-14 14:49:41 UTC
From: Ken, W8EK
Topic: 10743 Message: 10743

I have a "new to me" Orion I, that I am trying to get set correctly.

I am having a problem with the mic audio gain. I think the previous owner probably turned the mic audio hardware gain control up too high. With no speech processing, I am running the mic gain at 7 or 8, with the menu hardware gain set at 0. I see a hardware gain control on the schematic, and I know one is there. But where is it located? Somewhere on the front control board, but where? I think it may be a very small trim pot on the bottom, but when I look there, I find TWO trimpots. Is it one of these, and if so, which one? What is the other one used for?

There also seems to be one small trimpot on the top. What is it for?

Sorry to ask a dumb question, but I have spent over an hour searching the internet trying to find its location. Could someone please help?

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

10744. Re: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-14 15:03:43 UTC
From: Barry N1EU
Topic: 10743 Message: 10744

http://www.tentecwiki.org/doku.php?id=566micpot

73, Barry N1EU

On Tue, Jul 14, 2015 at 10:49 AM, 'Ken, W8EK' KenW8EK@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
>
> I have a "new to me" Orion I, that I am trying to get set correctly.
>
> I am having a problem with the mic audio gain. I think the previous
> owner probably turned the mic audio hardware gain control up too high.
> With no speech processing, I am running the mic gain at 7 or 8, with
> the menu hardware gain set at 0. I see a hardware gain control on the
> schematic, and I know one is there. But where is it located?
> Somewhere on the front control board, but where? I think it may be a
> very small trim pot on the bottom, but when I look there, I find TWO
> trimpots. Is it one of these, and if so, which one? What is the
> other one used for?
>
> There also seems to be one small trimpot on the top. What is it for?
>
> Sorry to ask a dumb question, but I have spent over an hour searching
> the internet trying to find its location. Could someone please help?
>
> Thanks.
>
> 73,
>
> Ken, W8EK
>
> Ken Simpson
> E-mail to W8EK@FLHam.net or W8EK@...
> Voice Phone (352) 732-8400
>
>
>

10745. Any news yet???

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-14 15:27:45 UTC
From: allen3500@...
Topic: 10745 Message: 10745

I'm curious to know if anyone has heard anything new concerning the upcoming firmware update for the Orion 2?
Before he departed TenTec, John Henry told me that it was being tested and should be ready soon.
I continue to patiently wait, but meanwhile, I surely do love my O2!
Cheers!!
Jim wb5twc

10746. Re: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-14 15:08:49 UTC
From: Ken, W8EK
Topic: 10743 Message: 10746

Thanks, Barry.

I went to the Wiki, and searched, but missed that one! Sorry for the bandwidth.

What is the other pot on the bottom, and the one on the top for?

Thanks.

73,

Ken, W8EK

Barry N1EU barry.n1eu@... [orion565] wrote on 7/14/2015 11:03 AM:
>
>
> http://www.tentecwiki.org/doku.php?id=566micpot
>
> 73, Barry N1EU
>
> On Tue, Jul 14, 2015 at 10:49 AM, 'Ken, W8EK' KenW8EK@...
> <mailto:KenW8EK@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> --
>
>
> I have a "new to me" Orion I, that I am trying to get set correctly.
>
> I am having a problem with the mic audio gain. I think the previous
> owner probably turned the mic audio hardware gain control up too
> high.
> With no speech processing, I am running the mic gain at 7 or 8, with
> the menu hardware gain set at 0. I see a hardware gain control on the
> schematic, and I know one is there. But where is it located?
> Somewhere on the front control board, but where? I think it may be a
> very small trim pot on the bottom, but when I look there, I find TWO
> trimpots. Is it one of these, and if so, which one? What is the
> other one used for?
>
> There also seems to be one small trimpot on the top. What is it for?
>
> Sorry to ask a dumb question, but I have spent over an hour searching
> the internet trying to find its location. Could someone please help?
>
> Thanks.

>
> 73,
>
> Ken, W8EK
>
> Ken Simpson
> E-mail to W8EK@... or W8EK@... <mailto:W8EK@...>
> Voice Phone (352) 732-8400 <tel:%28352%29%20732-8400>
>
>
>
>
>

10747. Re: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-14 15:45:01 UTC
From: Barry N1EU
Topic: 10743 Message: 10747

meter sensitivity and LCD contrast, I think, but don't ask me which one is
which

Barry N1EU

On Tue, Jul 14, 2015 at 11:08 AM, 'Ken, W8EK' KenW8EK@gmail.com [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Thanks, Barry.
>
> I went to the Wiki, and searched, but missed that one! Sorry for the
> bandwidth.
>
> What is the other pot on the bottom, and the one on the top for?
>
> Thanks.
>
> 73,
>
> Ken, W8EK
>
> Barry N1EU barry.n1eu@... [orion565] wrote on 7/14/2015 11:03 AM:
> >
> >
> > http://www.tentecwiki.org/doku.php?id=566micpot
> >
> > 73, Barry N1EU
> >
> > On Tue, Jul 14, 2015 at 10:49 AM, 'Ken, W8EK' KenW8EK@...
> > <mailto:KenW8EK@gmail.com> [orion565] <orion565@yahoogroups.com
> > <mailto:orion565@yahoogroups.com>> wrote:
> >
> > __
> >
> >
> > I have a "new to me" Orion I, that I am trying to get set correctly.
> >
> > I am having a problem with the mic audio gain. I think the previous
> > owner probably turned the mic audio hardware gain control up too
> > high.
> > With no speech processing, I am running the mic gain at 7 or 8, with
> > the menu hardware gain set at 0. I see a hardware gain control on the
> > schematic, and I know one is there. But where is it located?
> > Somewhere on the front control board, but where? I think it may be a

> > very small trim pot on the bottom, but when I look there, I find TWO
> > trimpots. Is it one of these, and if so, which one? What is the
> > other one used for?
> >
> > There also seems to be one small trimpot on the top. What is it for?
> >
> > Sorry to ask a dumb question, but I have spent over an hour searching
> > the internet trying to find its location. Could someone please help?
> >
> > Thanks.
> >
> > 73,
> >
> > Ken, W8EK
> >
> > Ken Simpson
> > E-mail to W8EK@... or W8EK@... <mailto:W8EK@...>
> > Voice Phone (352) 732-8400 <tel:%28352%29%20732-8400>
> >
> >
> >
> >
> >
>
>

10748. Re: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-14 15:58:59 UTC
From: Ken, W8EK
Topic: 10743 Message: 10748

Thanks.

I will leave those along!

I found that the mic hardware pot was all of the way up. It is now about 1/4, and things are sounding much better. Now with DSP mic gain at 50, and Speech Processor at 5, it sounds good.

Thanks for the help.

73,

Ken, W8EK

Barry N1EU barry.n1eu@... [orion565] wrote on 7/14/2015 11:45 AM:
>
>
> meter sensitivity and LCD contrast, I think, but don't ask me which
> one is which
>
> Barry N1EU
>
> On Tue, Jul 14, 2015 at 11:08 AM, 'Ken, W8EK' KenW8EK@...
> <mailto:KenW8EK@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> --
>
> Thanks, Barry.
>
> I went to the Wiki, and searched, but missed that one! Sorry for the
> bandwidth.
>
> What is the other pot on the bottom, and the one on the top for?
>
> Thanks.
>
> 73,
>
> Ken, W8EK
>
> Barry N1EU barry.n1eu@... <mailto:barry.n1eu@...>
> [orion565] wrote on 7/14/2015 11:03 AM:
> >
> >
> >http://www.tentecwiki.org/doku.php?id=566micpot

> >
> > 73, Barry N1EU
> >
> > On Tue, Jul 14, 2015 at 10:49 AM, 'Ken, W8EK'KenW8EK@... <mailto:KenW8EK@...>
> > <mailto:KenW8EK@... <mailto:KenW8EK@...>>
> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> > <mailto:orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>>> wrote:
> >
> > __
> >
> >
> > I have a "new to me" Orion I, that I am trying to get set correctly.
> >
> > I am having a problem with the mic audio gain. I think the previous
> > owner probably turned the mic audio hardware gain control up too
> > high.
> > With no speech processing, I am running the mic gain at 7 or 8, with
> > the menu hardware gain set at 0. I see a hardware gain control on the
> > schematic, and I know one is there. But where is it located?
> > Somewhere on the front control board, but where? I think it may be a
> > very small trim pot on the bottom, but when I look there, I find TWO
> > trimpots. Is it one of these, and if so, which one? What is the
> > other one used for?
> >
> > There also seems to be one small trimpot on the top. What is it for?
> >
> > Sorry to ask a dumb question, but I have spent over an hour searching
> > the internet trying to find its location. Could someone please help?
> >
> > Thanks.
> >
> > 73,
> >
> > Ken, W8EK
> >
> > Ken Simpson
> > E-mail to W8EK@... or W8EK@...
> <mailto:W8EK@...> <mailto:W8EK@... <mailto:W8EK@...>>
> > Voice Phone (352) 732-8400 <tel:%28352%29%20732-8400>
> <tel:%28352%29%20732-8400>
> >
> >
> >
> >
> >
>
>

10749. Re: [orion565] Any news yet???

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-14 17:35:56 UTC
From: Barry N1EU
Topic: 10745 Message: 10749

I know that it is still being worked on and it will eventually be released
but have no idea on the timing.

73, Barry N1EU

On Tue, Jul 14, 2015 at 11:27 AM, allen3500@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> I'm curious to know if anyone has heard anything new concerning the
> upcoming firmware update for the Orion 2?
>
> Before he departed TenTec, John Henry told me that it was being tested and
> should be ready soon.
>
> I continue to patiently wait, but meanwhile, I surely do love my O2!
>
> Cheers!!
>
> Jim wb5twc
>
>
>

10750. Re: [orion565] Any news yet???

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-14 22:00:50 UTC
From: k1fpv@...
Topic: 10745 Message: 10750

Unfortunately, with John Henry gone, it may take longer for those updates to come out. I hope not, but who knows!

Bill
K1FPV

10751. RE: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-16 14:23:39 UTC
From: Andrew B Steen
Topic: 10743 Message: 10751

So, I am a little confused here.

Are there actually 3 mic gain controls?

I keep the hardware gain (menu) at 0, and set my mic with the front panel control.

I never knew there was a 3rd adjustment on the preamp.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, July 14, 2015 8:04 AM
To: Orion565
Subject: Re: [orion565] Orion Mic Hardware Gain Control

http://www.tentecwiki.org/doku.php?id=566micpot

73, Barry N1EU

On Tue, Jul 14, 2015 at 10:49 AM, 'Ken, W8EK' KenW8EK@... [orion565]
<orion565@yahoogroups.com> wrote:

I have a "new to me" Orion I, that I am trying to get set correctly.

I am having a problem with the mic audio gain. I think the previous
owner probably turned the mic audio hardware gain control up too high.
With no speech processing, I am running the mic gain at 7 or 8, with
the menu hardware gain set at 0. I see a hardware gain control on the
schematic, and I know one is there. But where is it located?
Somewhere on the front control board, but where? I think it may be a
very small trim pot on the bottom, but when I look there, I find TWO
trimpots. Is it one of these, and if so, which one? What is the
other one used for?

There also seems to be one small trimpot on the top. What is it for?

Sorry to ask a dumb question, but I have spent over an hour searching
the internet trying to find its location. Could someone please help?

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...

Voice Phone (352) 732-8400 <tel:%28352%29%20732-8400>

10752. RE: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-16 14:30:19 UTC
From: Andrew B Steen
Topic: 10743 Message: 10752

Good stuff from all, thanks.

Just for comparison, I am running an Electro-Voice RE-27 Mic.

The menu gain is at 0, and the front panel gain is at 50. SP is at 2.

I get excellent audio reports from all.

I tried the Heil Pro-40, and while it is a great mic, the EV is superior.

By the way, the radio is an O II, which I bought new in 2007.

Best radio around!

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, July 14, 2015 8:59 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion Mic Hardware Gain Control

Thanks.

I will leave those along!

I found that the mic hardware pot was all of the way up. It is now
about 1/4, and things are sounding much better. Now with DSP mic gain
at 50, and Speech Processor at 5, it sounds good.

Thanks for the help.

73,

Ken, W8EK

Barry N1EU barry.n1eu@... [orion565] wrote on 7/14/2015 11:45 AM:
>
>
> meter sensitivity and LCD contrast, I think, but don't ask me which
> one is which
>
> Barry N1EU
>
> On Tue, Jul 14, 2015 at 11:08 AM, 'Ken, W8EK' KenW8EK@...
> <mailto:KenW8EK@...> [orion565] <orion565@yahoogroups.com
<mailto:orion565@yahoogroups.com%0b>
> <mailto:orion565@yahoogroups.com>> wrote:

>
> __
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> Thanks, Barry.
>
> I went to the Wiki, and searched, but missed that one! Sorry for the
> bandwidth.
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> Thanks.
>
> 73,
>
> Ken, W8EK
>
> Barry N1EU barry.n1eu@... <mailto:barry.n1eu@...>
> [orion565] wrote on 7/14/2015 11:03 AM:
> >
> >
> >http://www.tentecwiki.org/doku.php?id=566micpot
> >
> > 73, Barry N1EU
> >
> > On Tue, Jul 14, 2015 at 10:49 AM, 'Ken, W8EK'KenW8EK@... <mailto:KenW8EK@...>
> > <mailto:KenW8EK@... <mailto:KenW8EK@...%20%3cmailto:KenW8EK@...> <mailto:KenW8EK@...>>
> [orion565] <orion565@yahoogroups.com
<mailto:orion565@yahoogroups.com%20%3cmailto:orion565@yahoogroups.com>
<mailto:orion565@yahoogroups.com>
> > <mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com%0b>
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> > Thanks.
> >
> > 73,
> >
> > Ken, W8EK
> >
> > Ken Simpson
> > E-mail to W8EK@... or W8EK@arrl.net
> <mailto:W8EK@...> <mailto:W8EK@... <mailto:W8EK@arrl.net%20%3cmailto:W8EK@...>
<mailto:W8EK@...>>
> > Voice Phone (352) 732-8400 <tel:%28352%29%20732-8400>
> <tel:%28352%29%20732-8400>
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10753. Re: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-16 14:39:07 UTC
From: Barry N1EU
Topic: 10743 Message: 10753

The TX EQ setting is critical, in terms of mic setup.

Barry N1EU

On Thu, Jul 16, 2015 at 10:30 AM, 'Andrew B Steen' n2gff@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Good stuff from all, thanks.
>
> Just for comparison, I am running an Electro-Voice RE-27 Mic.
>
> The menu gain is at 0, and the front panel gain is at 50. SP is at 2.
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> I get excellent audio reports from all.
>
> I tried the Heil Pro-40, and while it is a great mic, the EV is superior.
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> By the way, the radio is an O II, which I bought new in 2007.
>
> Best radio around!
>
> Andrew
>
> K6STN
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> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Tuesday, July 14, 2015 8:59 AM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Orion Mic Hardware Gain Control
>
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> at 50, and Speech Processor at 5, it sounds good.

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> Ken, W8EK
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> Barry N1EU barry.n1eu@gmail.com [orion565] wrote on 7/14/2015 11:45 AM:
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> > <mailto:KenW8EK@... <KenW8EK@...>> [orion565] <
> orion565@yahoogroups.com
> <orion565@yahoogroups.com%0b>> <mailto:orion565@yahoogroups.com
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> > Ken, W8EK
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> > Barry N1EU barry.n1eu@... <mailto:barry.n1eu@...
> <barry.n1eu@...>>
> > [orion565] wrote on 7/14/2015 11:03 AM:
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> > >
> > >http://www.tentecwiki.org/doku.php?id=566micpot
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> > > <mailto:KenW8EK@... <mailto:KenW8EK@...
> <KenW8EK@...%20%3cmailto:KenW8EK@...>>>
> > > [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>

> > > <mailto:orion565@yahoogroups.com
> <orion565@yahoogroups.com%0b>> <mailto:orion565@yahoogroups.com
> <orion565@...m>>>> wrote:
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> > > Sorry to ask a dumb question, but I have spent over an hour searching
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> > > Thanks.
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> > > 73,
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> > > Ken, W8EK
> > >
> > > Ken Simpson
> > > E-mail to W8EK@... or W8EK@...
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> <mailto:W8EK@... <W8EK@...%20%3cmailto:W8EK@...>>>
> > > Voice Phone (352) 732-8400 <tel:%28352%29%20732-8400
> <%28352%29%20732-8400>>
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10754. Re: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-16 15:08:14 UTC
From: Ken, W8EK
Topic: 10743 Message: 10754

Hi Andrew,

Yes, there is a third adjustment - a real honest to goodness hardware trimpot. When I got my Orion (used) it was turned all of the way up, and resulted in settings similar to what you have. That simply is not right, as the mic gain should be in the middle (50) or somewhere thereabouts. I set that software control to 50 and turned down the actual trimpot until it was about right. Now I can adjust things with reasonable accuracy. I ended up with that trim pot at about 1/4 of the way up, instead of full up.

FWIW, I think with the pot all of the way up, not only was the control of audio less, but I think there was also more likelihood of picking up RF in the audio chain. I am much happier now that I have it adjusted right!

Also, FYI, the mic gain trimpot is located on the bottom just behind the front panel near the mic connector. If you have all of the covers on your rig, there will be a small hole there for adjustment. It takes a VERY small philips screw driver to adjust it. I had the covers off of mine, and there are actually three trimpots (two on bottom and one on top), which resulted in my question as to where was the mic gain pot. The other two are for screen contrast and analog meter sensitivity.

Thanks.

73,

Ken, W8EK

'Andrew B Steen' n2gff@... [orion565] wrote on 7/16/2015 10:23 AM:

>
>
> So, I am a little confused here.
>
> Are there actually 3 mic gain controls?
>
> I keep the hardware gain (menu) at 0, and set my mic with the front
> panel control.
>
> I never knew there was a 3^rd adjustment on the preamp.
>
> Andrew
>
> K6STN

>
> *From:*orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Tuesday, July 14, 2015 8:04 AM
> *To:* Orion565
> *Subject:* Re: [orion565] Orion Mic Hardware Gain Control
>
> http://www.tentecwiki.org/doku.php?id=566micpot
>
> 73, Barry N1EU
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> On Tue, Jul 14, 2015 at 10:49 AM, 'Ken, W8EK' KenW8EK@...
> <mailto:KenW8EK@...> [orion565] <orion565@yahoogroups.com
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> Thanks.
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> 73,
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> Ken, W8EK
>
> Ken Simpson
> E-mail to W8EK@... <mailto:W8EK@...> or W8EK@...
> <mailto:W8EK@...>
> Voice Phone (352) 732-8400 <tel:%28352%29%20732-8400>
>
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>
>

10755. RE: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-16 17:24:11 UTC
From: Andrew B Steen
Topic: 10743 Message: 10755

Good thought.

I have left the EQ settings at 0 after doing a little experimenting.

I have my TX filter BW at 2700, the LF Rolloff at 130 Hz.

Seems to work good with my voice frequencies, which are in the higher range.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, July 16, 2015 7:39 AM
To: Orion565
Subject: Re: [orion565] Orion Mic Hardware Gain Control

The TX EQ setting is critical, in terms of mic setup.

Barry N1EU

On Thu, Jul 16, 2015 at 10:30 AM, 'Andrew B Steen' n2gff@... [orion565] <orion565@...m> wrote:

Good stuff from all, thanks.

Just for comparison, I am running an Electro-Voice RE-27 Mic.

The menu gain is at 0, and the front panel gain is at 50. SP is at 2.

I get excellent audio reports from all.

I tried the Heil Pro-40, and while it is a great mic, the EV is superior.

By the way, the radio is an O II, which I bought new in 2007.

Best radio around!

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, July 14, 2015 8:59 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion Mic Hardware Gain Control

Thanks.

I will leave those along!

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about 1/4, and things are sounding much better. Now with DSP mic gain
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<mailto:KenW8EK@...>>
> [orion565] <orion565@yahoogroups.com
<mailto:orion565@yahoogroups.com%20%3cmailto:orion565@yahoogroups.com>

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10756. RE: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-16 17:28:07 UTC
From: Andrew B Steen
Topic: 10743 Message: 10756

Thanks for the input Ken.

I may try that adjustment.

I'm a little confused about the 50 setting, is that the menu H/W MIC Gain, or the front panel mic setting.

My front panel is set to 50, and the H/W is set to 0.0dB.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, July 16, 2015 8:08 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion Mic Hardware Gain Control

Hi Andrew,

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Thanks.

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> Ken, W8EK
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> Ken Simpson
> E-mail to W8EK@... <mailto:W8EK@...> or W8EK@...
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>
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>
>

10757. Re: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-16 17:32:38 UTC
From: Barry N1EU
Topic: 10743 Message: 10757

TX EQ at 0 will usually result in extremely woolly/bassy audio but it depends on your mic and external EQ. TX EQ settings of -10 to -15 are more the norm.

Barry N1EU

On Thu, Jul 16, 2015 at 1:24 PM, 'Andrew B Steen' n2gff@sbcglobal.net [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Good thought.
>
> I have left the EQ settings at 0 after doing a little experimenting.
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> I have my TX filter BW at 2700, the LF Rolloff at 130 Hz.
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> Seems to work good with my voice frequencies, which are in the higher
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> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Thursday, July 16, 2015 7:39 AM
> *To:* Orion565
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> *Subject:* Re: [orion565] Orion Mic Hardware Gain Control
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> Barry N1EU
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> [orion565] <orion565@yahoogroups.com> wrote:

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> Best radio around!
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> *Subject:* Re: [orion565] Orion Mic Hardware Gain Control
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> > What is the other pot on the bottom, and the one on the top for?
> >
> > Thanks.
> >
> > 73,
> >
> > Ken, W8EK
> >
> > Barry N1EU barry.n1eu@... <mailto:barry.n1eu@...
> <barry.n1eu@...>>
> > [orion565] wrote on 7/14/2015 11:03 AM:
> > >
> > >
> > >http://www.tentecwiki.org/doku.php?id=566micpot
> > >
> > > 73, Barry N1EU
> > >
> > > On Tue, Jul 14, 2015 at 10:49 AM, 'Ken, W8EK'KenW8EK@... <
> mailto:KenW8EK@... <KenW8EK@...>>
> > > <mailto:KenW8EK@... <mailto:KenW8EK@...
> <KenW8EK@gmail.com%20%3cmailto:KenW8EK@...>>>
> > > [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> > > <mailto:orion565@...m
> <orion565@yahoogroups.com%0b>> <mailto:orion565@yahoogroups.com
> <orion565@yahoogroups.com>>>> wrote:
> > > >
> > > > __
> > > >
> > > >
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> > > Ken, W8EK
> > >
> > > Ken Simpson
> > > E-mail to W8EK@... or W8EK@arrl.net
> > <mailto:W8EK@... <W8EK@...>> <mailto:W8EK@...
> <mailto:W8EK@... <W8EK@...%20%3cmailto:W8EK@...>>>
> > > Voice Phone (352) 732-8400 <tel:%28352%29%20732-8400
> <%28352%29%20732-8400>>
> > <tel:%28352%29%20732-8400 <%28352%29%20732-8400>>
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10758. Re: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-16 17:36:20 UTC
From: Ken, W8EK
Topic: 10743 Message: 10758

Hi Andrew,

My front panel is at 50 and the hardware gain on the menu is at 0 db,
with the actual trimpot at about 1/4.

I thought you said earlier your front panel was very low, but if it is
at 50, I think you are good as it is.

Originally, my front panel was at 5, 6, or 7, out of 100, which made
it too sensitive.

73,

Ken, W8EK

'Andrew B Steen' n2gff@... [orion565] wrote on 7/16/2015
1:28 PM:
>
>
> Thanks for the input Ken.
>
> I may try that adjustment.
>
> I'm a little confused about the 50 setting, is that the menu H/W MIC
> Gain, or the front panel mic setting.
>
> My front panel is set to 50, and the H/W is set to 0.0dB.
>
> Andrew
>
> K6STN
>
> *From:*orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Thursday, July 16, 2015 8:08 AM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Orion Mic Hardware Gain Control
>
>
> Hi Andrew,
>
> Yes, there is a third adjustment - a real honest to goodness hardware
> trimpot. When I got my Orion (used) it was turned all of the way up,
> and resulted in settings similar to what you have. That simply is not
> right, as the mic gain should be in the middle (50) or somewhere
> thereabouts. I set that software control to 50 and turned down the
> actual trimpot until it was about right. Now I can adjust things with

> reasonable accuracy. I ended up with that trim pot at about 1/4 of
> the way up, instead of full up.
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> FWIW, I think with the pot all of the way up, not only was the control
> of audio less, but I think there was also more likelihood of picking
> up RF in the audio chain. I am much happier now that I have it
> adjusted right!
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> Also, FYI, the mic gain trimpot is located on the bottom just behind
> the front panel near the mic connector. If you have all of the covers
> on your rig, there will be a small hole there for adjustment. It
> takes a VERY small philips screw driver to adjust it. I had the
> covers off of mine, and there are actually three trimpots (two on
> bottom and one on top), which resulted in my question as to where was
> the mic gain pot. The other two are for screen contrast and analog
> meter sensitivity.
>
> Thanks.
>
> 73,
>
> Ken, W8EK
>
> 'Andrew B Steen' n2gff@... <mailto:n2gff@...>
> [orion565] wrote on 7/16/2015
> 10:23 AM:
> >
> >
> > So, I am a little confused here.
> >
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> > I keep the hardware gain (menu) at 0, and set my mic with the front
> > panel control.
> >
> > I never knew there was a 3^rd adjustment on the preamp.
> >
> > Andrew
> >
> > K6STN
> >
> > *From:*orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> > *Sent:* Tuesday, July 14, 2015 8:04 AM
> > *To:* Orion565
> > *Subject:* Re: [orion565] Orion Mic Hardware Gain Control
> >
> > http://www.tentecwiki.org/doku.php?id=566micpot
> >
> > 73, Barry N1EU
> >

> > On Tue, Jul 14, 2015 at 10:49 AM, 'Ken, W8EK' KenW8EK@...
> <mailto:KenW8EK@...>
> > <mailto:KenW8EK@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com%0b>>
> <mailto:orion565@yahoogroups.com>> wrote:
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> > 73,
> >
> > Ken, W8EK
> >
> > Ken Simpson
> > E-mail to W8EK@... <mailto:W8EK@...>
> <mailto:W8EK@...> or W8EK@... <mailto:W8EK@...>
> > <mailto:W8EK@...>
> > Voice Phone (352) 732-8400 <tel:%28352%29%20732-8400>
> >
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10759. RE: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-16 19:37:58 UTC
From: Ralph Matthews
Topic: 10743 Message: 10759

Hi, folks! I have the same rig and microphone as Andrew. In fact, I bought the EV RE 27ND after I heard Andrew's audio. I hooked up the Mic to the O2 and have received nothing but great reports on the audio. Andrew has heard me, and I'm sure he will vouch for that. I have been accused of being a radio announcer, because of the great audio I transmit. My mic gain is at 85, running speech processing at 3, and transmit bandwidth is 3.9 KC's. Running wide to take advantage of the wonderful response curve of the mic. The RE 27 is a very expensive mic, but if audio quality matters to you, and the pocket book can stand it, it is a great investment. I still have the Heil PRO 40 I was using before, and it is a very good mic. However the RE 27 is definitely better.

Ralph, NA6D

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, July 16, 2015 10:36 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion Mic Hardware Gain Control

Hi Andrew,

My front panel is at 50 and the hardware gain on the menu is at 0 db, with the actual trimpot at about 1/4.

I thought you said earlier your front panel was very low, but if it is at 50, I think you are good as it is.

Originally, my front panel was at 5, 6, or 7, out of 100, which made it too sensitive.

73,

Ken, W8EK

'Andrew B Steen' n2gff@... [orion565] wrote on 7/16/2015
1:28 PM:
>
>
> Thanks for the input Ken.
>
> I may try that adjustment.
>
> I’m a little confused about the 50 setting, is that the menu H/W MIC
> Gain, or the front panel mic setting.
>
> My front panel is set to 50, and the H/W is set to 0.0dB.
>
> Andrew
>

> K6STN
>
> *From:*orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Thursday, July 16, 2015 8:08 AM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Orion Mic Hardware Gain Control
>
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> Hi Andrew,
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> Yes, there is a third adjustment - a real honest to goodness hardware
> trimpot. When I got my Orion (used) it was turned all of the way up,
> and resulted in settings similar to what you have. That simply is not
> right, as the mic gain should be in the middle (50) or somewhere
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> of mine, and there are actually three trimpots (two on bottom and one
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> pot. The other two are for screen contrast and analog meter
> sensitivity.
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> 73,
>
> Ken, W8EK
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> [orion565] wrote on 7/16/2015
> 10:23 AM:
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> > *From:*orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> > *Sent:* Tuesday, July 14, 2015 8:04 AM > *To:* Orion565 >
> *Subject:* Re: [orion565] Orion Mic Hardware Gain Control > >
> http://www.tentecwiki.org/doku.php?id=566micpot
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> > 73, Barry N1EU
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> <mailto:KenW8EK@...> > <mailto:KenW8EK@...> [orion565]
> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com%0b>>
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> > Ken Simpson
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> <mailto:W8EK@...> or W8EK@... <mailto:W8EK@...> >
> <mailto:W8EK@arrl.net> > Voice Phone (352) 732-8400
> <tel:%28352%29%20732-8400> > > > >
>
>

>

Posted by: "Ken, W8EK" <kenw8ek@...>

Yahoo Groups Links

10760. RE: [orion565] Orion Mic Hardware Gain Control

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-16 19:41:45 UTC
From: Andrew B Steen
Topic: 10743 Message: 10760

Thanks for the clarification Ken.

Sounds like we are running the same settings with excellent results.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, July 16, 2015 10:36 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion Mic Hardware Gain Control

Hi Andrew,

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Ken, W8EK

'Andrew B Steen' n2gff@... [orion565] wrote on 7/16/2015
1:28 PM:
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> K6STN
>
> *From:*orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Thursday, July 16, 2015 8:08 AM
> *To:* orion565@yahoogroups.com

> *Subject:* Re: [orion565] Orion Mic Hardware Gain Control
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> > *To:* Orion565
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> <mailto:W8EK@...> or W8EK@... <mailto:W8EK@arrl.net>
> > <mailto:W8EK@...>
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> >
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> >

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>
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10761. Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 02:53:47 UTC
From: ka7niq@...
Topic: 10761 Message: 10761

I have made a deal to buy a used Orion, but it has the blue screen. Because it has the blue screen, I was able to negotiate a very good deal on it.
I just found this group, and now I am scared to death to buy it!

Are these older Orions inherently unreliable ? I have read something about Encoder problems.

10762. RE: [orion565] Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 03:12:02 UTC
From: Duane Calvin
Topic: 10761 Message: 10762

Depends on the individual radio. My original Orion had no need for any repairs other than changing the battery when it finally died. Don’t let these stories steer you off – the Orion is a terrific radio, most of which don’t have any problems, and if they do, they’re not that difficult to work on. And there’s always TenTec repair if you want to go that route.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, July 16, 2015 9:54 PM
To: orion565@yahoogroups.com
Subject: [orion565] Buying A Blue Screen Orion 565

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I just found this group, and now I am scared to death to buy it!

Are these older Orions inherently unreliable ? I have read something about Encoder problems.

10763. Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 03:09:10 UTC
From: Chris Tucker
Topic: 10761 Message: 10763

Thanks Mike! I have owned both an old Omni D and just recently sold my Ten Tec Jupiter.I liked the Jupiter, but it was never on frequency.
I understand the Orion has a transmit equalizer, is this true ? I do not consider the Jupiter to have a transmit EQ, it only allows low and high frequency roll off. Does the Orion have a real equalizer, or is it just like the Jupiter ?

Chris Tucker
Owner - Apple Roof Cleaning
813 - 655 - 8777
www.saferoofcleaning.com

10764. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 10:37:30 UTC
From: Barry N1EU
Topic: 10761 Message: 10764

Like Duane said, it depends on the individual radio.

These rigs were manufactured 2002-2005 and the following issues are now often seen:

1. LCD screen losing contrast and/or brightness

2. Malfunctioning of encoder connectivity: RIT, MULTI, Tuning (connectivity issue, NOT an encoder issue)

3. Electrolytic capacitors on A9 power distribution board need replacement

4. Battery needs replacement
I have personally experienced all of these except number one. My LCD screen held up well which I was grateful for since I am not a fan of the blue screen and I don't know of a currently available replacement black/white screen (with step-by-step install instructions). Numbers 3 and 4 are straightforward fixes. Number 2 can be a bear, based on my experience. And also based on my experience, Ten-Tec service didn't have a reliable fix for it. All of these issues and fixes are well documented at http://www.tentecwiki.org/doku.php?id=565

IMHO, and many folks won't agree with me, I wouldn't buy a used 565 unless I was the type of person who likes to do their own work on their radios. Fortunately, I am.

73, Barry N1EU

On Thu, Jul 16, 2015 at 11:09 PM, Chris Tucker ka7niq@... [orion565] <orion565@yahoogroups.com> wrote:

>
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> Thanks Mike! I have owned both an old Omni D and just recently sold my
> Ten Tec Jupiter.
> I liked the Jupiter, but it was never on frequency.
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>
>
> Chris Tucker
> Owner - Apple Roof Cleaning
> 813 - 655 - 8777

> www.saferoofcleaning.com
>
>
>

10765. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 13:54:57 UTC
From: Chris Tucker
Topic: 10761 Message: 10765

Barry, I am only paying 700.00 for the blue screen Orion 565 !!!!!!!!!!What am I gonna do, say No to an Orion for 700 dollars ?
I have a great friend who is also a working Tech, he owns a radio repair shop here in Tampa!
This radio is coming from the family of a dead Ham, so not much is known about it, except is does have the tuner, and an optional 400 hz filter they said.

Chris Tucker
Owner - Apple Roof Cleaning
813 - 655 - 8777
www.saferoofcleaning.com

From: "Barry N1EU barry.n1eu@gmail.com [orion565]" <orion565@yahoogroups.com>
To: Orion565 <orion565@yahoogroups.com>
Sent: Friday, July 17, 2015 6:37 AM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

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On Thu, Jul 16, 2015 at 11:09 PM, Chris Tucker ka7niq@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:

Thanks Mike! I have owned both an old Omni D and just recently sold my Ten Tec Jupiter.I liked the Jupiter, but it was never on frequency.
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Chris Tucker
Owner - Apple Roof Cleaning
813 - 655 - 8777
www.saferoofcleaning.com

10766. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 14:06:57 UTC
From: thorntonbryon8771@yahoo.com
Topic: 10761 Message: 10766

That's a great price I will buy it if you dont
Sent from my Verizon 4G LTE Smartphone
------ Original message------From: Chris Tucker ka7niq@... [orion565] Date: Fri, Jul 17, 2015 9:58 AMTo: orion565@yahoogroups.com;Cc: Subject:Re: [orion565] Re: Buying A Blue Screen Orion 565
? Barry, I am only paying 700.00 for the blue screen Orion 565 !!!!!!!!!!What am I gonna do, say No to an Orion for 700 dollars ?
I have a great friend who is also a working Tech, he owns a radio repair shop here in Tampa!
This radio is coming from the family of a dead Ham, so not much is known about it, except is does have the tuner, and an optional 400 hz filter they said.

?Chris Tucker?
Owner - Apple Roof Cleaning?
813 - 655 - 8777?
www.saferoofcleaning.com

From: "Barry N1EU barry.n1eu@... [orion565]" >
To: Orion565 >
Sent: Friday, July 17, 2015 6:37 AM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

? Like Duane said, it depends on the individual radio. ?
These rigs were manufactured 2002-2005 and the following issues are now often seen:
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10767. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 15:49:52 UTC
From: Chris Tucker
Topic: 10761 Message: 10767

I hear ya Brother! It is a done deal, I go get it tomorrow, send deposit by PayPal.
I have a bunch of radios, as follows, ICOM 9100, ICOM 775 DSP, Kenwood TS 2000, Kenwood TS 850 S, plus I own a Commander 2500, an Ameritron 1306, and an Ameritron 811 H, both ameritrons are brand new in the box.
I have the ICOM 9100 sold, and the rest of the radios for sale.
What Mike do u find sounds good on your 565 Barry ? Chris Tucker
Owner - Apple Roof Cleaning
813 - 655 - 8777
www.saferoofcleaning.com

From: "'thorntonbryon8771@...' thorntonbryon8771@... [orion565]" <orion565@yahoogroups.com>
To: "Chris Tucker ka7niq@... [orion565]" <orion565@yahoogroups.com>
Sent: Friday, July 17, 2015 10:06 AM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

  That's a great price I will buy it if you dont
Sent from my Verizon 4G LTE Smartphone
------ Original message------From: Chris Tucker ka7niq@... [orion565] Date: Fri, Jul 17, 2015 9:58 AMTo: orion565@yahoogroups.com;Cc: Subject:Re: [orion565] Re: Buying A Blue Screen Orion 565
  Barry, I am only paying 700.00 for the blue screen Orion 565 !!!!!!!!!!What am I gonna do, say No to an Orion for 700 dollars ?
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Owner - Apple Roof Cleaning
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From: "Barry N1EU barry.n1eu@... [orion565]" >
To: Orion565 >
Sent: Friday, July 17, 2015 6:37 AM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

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 Chris Tucker
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10768. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 16:06:13 UTC
From: Barry N1EU
Topic: 10761 Message: 10768

I've always used an external mic preamp/equalizer with my Orion and Orion II and fed it into the line input, so I'm not the best person to ask about plugging a mic directly into the 565.

Understand that the TX EQ built into the 565 will only tilt the EQ curve up or down at one end or the other. You can just generally make the tone warmer or brighter. You can't make more EQ adjustment than that.

Also the speech processor isn't the greatest in the later firmware. There was talk of re-writing the speech processor firmware code but it never happened. So go easy on the level of internal processing ("SP") that you use.

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On Fri, Jul 17, 2015 at 11:49 AM, Chris Tucker ka7niq@... [orion565] <orion565@yahoogroups.com> wrote:

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> 2000, Kenwood TS 850 S, plus I own a Commander 2500, an Ameritron 1306, and
> an Ameritron 811 H, both ameritrons are brand new in the box.
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> I have the ICOM 9100 sold, and the rest of the radios for sale.
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> What Mike do u find sounds good on your 565 Barry ?
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> Chris Tucker
> Owner - Apple Roof Cleaning
> 813 - 655 - 8777
> www.saferoofcleaning.com
>
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> *From:* "'thorntonbryon8771@...' thorntonbryon8771@...
> [orion565]" <orion565@yahoogroups.com>
> *To:* "Chris Tucker ka7niq@... [orion565]" <orion565@yahoogroups.com>
>
> *Sent:* Friday, July 17, 2015 10:06 AM
> *Subject:* Re: [orion565] Re: Buying A Blue Screen Orion 565
>
>
> That's a great price I will buy it if you dont

>
> Sent from my Verizon 4G LTE Smartphone
>
> ------ Original message------
> *From: *Chris Tucker ka7niq@... <+ka7niq@yahoo.com> [orion565]
> *Date: *Fri, Jul 17, 2015 9:58 AM
> *To: *orion565@yahoogroups.com;
> *Cc: *
> *Subject:*Re: [orion565] Re: Buying A Blue Screen Orion 565
>
>
> Barry, I am only paying 700.00 for the blue screen Orion 565 !!!!!!!!!!
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> *From:* "Barry N1EU barry.n1eu@... <+barry.n1eu@...>
> [orion565]" > <%3Corion565@yahoogroups.com>
> *To:* Orion565 > <%3Corion565@yahoogroups.com>
> *Sent:* Friday, July 17, 2015 6:37 AM
> *Subject:* Re: [orion565] Re: Buying A Blue Screen Orion 565
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> screen held up well which I was grateful for since I am not a fan of the
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> IMHO, and many folks won't agree with me, I wouldn't buy a used 565 unless
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> On Thu, Jul 16, 2015 at 11:09 PM, Chris Tucker ka7niq@...
> [orion565] <orion565@yahoogroups.com> wrote:
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> Thanks Mike! I have owned both an old Omni D and just recently sold my
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10769. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 16:07:15 UTC
From: thorntonbryon8771@yahoo.com
Topic: 10761 Message: 10769

The old fashion looking one from TT
Sent from my Verizon 4G LTE Smartphone
------ Original message------From: Chris Tucker ka7niq@... [orion565]Date: Fri, Jul 17, 2015 11:52 AMTo: orion565@yahoogroups.com;Cc: Subject:Re: [orion565] Re: Buying A Blue Screen Orion 565
? I hear ya Brother! ?It is a done deal, I go get it tomorrow, send deposit by PayPal.
I have a bunch of radios, as follows, ICOM 9100, ICOM 775 DSP, Kenwood TS 2000, Kenwood TS 850 S, plus I own a Commander 2500, an Ameritron 1306, and an Ameritron 811 H, both ameritrons are brand new in the box.
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Owner - Apple Roof Cleaning?
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From: "'thorntonbryon8771@...' thorntonbryon8771@... [orion565]" >
To: "Chris Tucker ka7niq@... [orion565]" >
Sent: Friday, July 17, 2015 10:06 AM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

? That's a great price I will buy it if you dont
Sent from my Verizon 4G LTE Smartphone
------ Original message------From: Chris Tucker ka7niq@... [orion565] Date: Fri, Jul 17, 2015 9:58 AMTo: orion565@yahoogroups.com;Cc: Subject:Re: [orion565] Re: Buying A Blue Screen Orion 565
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From: "Barry N1EU barry.n1eu@... [orion565]" >
To: Orion565 >
Sent: Friday, July 17, 2015 6:37 AM
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Posted by: Chris Tucker > Reply via web post • Reply to sender •

10770. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 17:44:49 UTC
From: Chris Tucker
Topic: 10761 Message: 10770

It will be very interesting to see what version of firmware this blue screen Orion I am getting has in it. Because it has the blue screen, it has probably been back to Ten Tec once upon a time.
Is it possible to revert a Orion back to a previous firmware, and is there any consensus on what version was the best ? Chris Tucker
Owner - Apple Roof Cleaning
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From: "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com>
To: Orion565 <orion565@yahoogroups.com>
Sent: Friday, July 17, 2015 12:06 PM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

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Understand that the TX EQ built into the 565 will only tilt the EQ curve up or down at one end or the other. You can just generally make the tone warmer or brighter. You can't make more EQ adjustment than that.
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To: "Chris Tucker ka7niq@... [orion565]" <orion565@yahoogroups.com>
Sent: Friday, July 17, 2015 10:06 AM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

That's a great price I will buy it if you dont
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------ Original message------From: Chris Tucker ka7niq@... [orion565] Date: Fri, Jul 17, 2015 9:58 AMTo: orion565@yahoogroups.com;Cc: Subject:Re: [orion565] Re: Buying A Blue Screen Orion 565

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From: "Barry N1EU barry.n1eu@... [orion565]" >
To: Orion565 >
Sent: Friday, July 17, 2015 6:37 AM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

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10771. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 18:08:09 UTC
From: Barry N1EU
Topic: 10761 Message: 10771

Yes, there's unanimous consensus that the very latest firmware is the very best, no doubt about it.

http://www.rkrdesignsllc.com/static/media/documents/565-Setup-3.032x7b.exe

Barry N1EU

On Fri, Jul 17, 2015 at 5:44 PM, Chris Tucker ka7niq@... [orion565] <orion565@yahoogroups.com> wrote:

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> orion565@yahoogroups.com>
> *To:* Orion565 <orion565@yahoogroups.com>
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> *From:* "'thorntonbryon8771@...' thorntonbryon8771@...
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> *To:* "Chris Tucker ka7niq@... [orion565]" <orion565@yahoogroups.com>
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> *Sent:* Friday, July 17, 2015 10:06 AM
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> On Thu, Jul 16, 2015 at 11:09 PM, Chris Tucker ka7niq@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
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> Chris Tucker
> Owner - Apple Roof Cleaning
> 813 - 655 - 8777
> www.saferoofcleaning.com
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10772. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 18:23:37 UTC
From: Chris Tucker
Topic: 10761 Message: 10772

Off the record, do you really think Ten Tec is gonna survive ? Many of my friends think Ten Tec is soon to be no more. They think that once all the Ten Tec stuff is sold off, that's it.

Chris Tucker
Owner - Apple Roof Cleaning
813 - 655 - 8777
www.saferoofcleaning.com

From: "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com>
To: Orion565 <orion565@yahoogroups.com>
Sent: Friday, July 17, 2015 2:08 PM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

  Yes, there's unanimous consensus that the very latest firmware is the very best, no doubt about it.

http://www.rkrdesignsllc.com/static/media/documents/565-Setup-3.032x7b.exe

Barry N1EU

On Fri, Jul 17, 2015 at 5:44 PM, Chris Tucker ka7niq@... [orion565] <orion565@yahoogroups.com> wrote:

  It will be very interesting to see what version of firmware this blue screen Orion I am getting has in it. Because it has the blue screen, it has probably been back to Ten Tec once upon a time.
Is it possible to revert a Orion back to a previous firmware, and is there any consensus on what version was the best ? Chris Tucker
Owner - Apple Roof Cleaning
813 - 655 - 8777
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From: "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com>
To: Orion565 <orion565@yahoogroups.com>
Sent: Friday, July 17, 2015 12:06 PM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

  I've always used an external mic preamp/equalizer with my Orion and Orion II and fed it into the line input, so I'm not the best person to ask about plugging a mic directly into the 565.
Understand that the TX EQ built into the 565 will only tilt the EQ curve up or down at one end or the other. You can just generally make the tone warmer or brighter. You can't make more EQ adjustment than that.
Also the speech processor isn't the greatest in the later firmware. There was talk of re-writing the speech processor firmware code but it never happened. So go easy on the level of internal processing ("SP") that you use.

73, Barry N1EU

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From: "'thorntonbryon8771@...' thorntonbryon8771@... [orion565]" <orion565@yahoogroups.com>
To: "Chris Tucker ka7niq@... [orion565]" <orion565@yahoogroups.com>
Sent: Friday, July 17, 2015 10:06 AM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

  That's a great price I will buy it if you dont
Sent from my Verizon 4G LTE Smartphone
------ Original message------From: Chris Tucker ka7niq@... [orion565] Date: Fri, Jul 17, 2015 9:58 AMTo: orion565@yahoogroups.com;Cc: Subject:Re: [orion565] Re: Buying A Blue Screen Orion 565
  Barry, I am only paying 700.00 for the blue screen Orion 565 !!!!!!!!!!What am I gonna do, say No to an Orion for 700 dollars ?
I have a great friend who is also a working Tech, he owns a radio repair shop here in Tampa!
This radio is coming from the family of a dead Ham, so not much is known about it, except is does have the tuner, and an optional 400 hz filter they said.

 Chris Tucker
Owner - Apple Roof Cleaning
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From: "Barry N1EU barry.n1eu@... [orion565]" >
To: Orion565 >
Sent: Friday, July 17, 2015 6:37 AM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

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These rigs were manufactured 2002-2005 and the following issues are now often seen:
1. LCD screen losing contrast and/or brightness2. Malfunctioning of encoder connectivity: RIT, MULTI, Tuning (connectivity issue, NOT an encoder issue)3. Electrolytic capacitors on A9 power distribution board need replacement4. Battery needs replacementI have personally experienced all of these except number one. My LCD screen held up well which I was grateful for since I am not a fan of the blue screen and I don't know of a currently available replacement black/white screen (with step-by-step install instructions).
Numbers 3 and 4 are straightforward fixes. Number 2 can be a bear, based on my

experience. And also based on my experience, Ten-Tec service didn't have a reliable fix for it. All of these issues and fixes are well documented at http://www.tentecwiki.org/doku.php?id=565
IMHO, and many folks won't agree with me, I wouldn't buy a used 565 unless I was the type of person who likes to do their own work on their radios. Fortunately, I am.
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 Chris Tucker
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www.saferoofcleaning.com

10773. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 20:18:43 UTC
From: John K7FD
Topic: 10761 Message: 10773

...can of worms, re-opened!

> On Jul 17, 2015, at 11:23 AM, Chris Tucker ka7niq@... [orion565] <orion565@yahoogroups.com> wrote:
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> To: Orion565 <orion565@yahoogroups.com>
> Sent: Friday, July 17, 2015 2:08 PM
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> To: "Chris Tucker ka7niq@... [orion565]" <orion565@yahoogroups.com>
> Sent: Friday, July 17, 2015 10:06 AM
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10774. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 20:19:11 UTC
From: John K7FD
Topic: 10761 Message: 10774

...oops. K7FD said that. Forgot...

> On Jul 17, 2015, at 11:23 AM, Chris Tucker ka7niq@... [orion565] <orion565@yahoogroups.com> wrote:
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10775. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 20:29:29 UTC
From: pa1ap@...
Topic: 10761 Message: 10775

Regarding the blue screen, not to worry much. It does depend when the blue screen has been installed though. If its revision is below D than there is chance that the screen has a certain "flicker" when running blue on white. Revision D and higher do not have this issue.

If you have the "flicker" the fix is easy and cheap. Order $22 blue/white screen and swap it with the one you have installed now. Just remount / reconnect. For $700 you have a real bargain.

Hope you will enjoy the radio. Regards Onno pa1ap

10776. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 20:54:35 UTC
From: Tarniowy
Topic: 10761 Message: 10776

Onno
I don't think you can get the new LCD for $22 :-) . It's more around $100 I think .
I also don't forget if you are going to replace the orginal LCD you need adapter (new blue screen has different connector pin) . This is of course for someone that don't want to buy the LCD from ten tec .
But if you know the source that they have this LCD for $22 please share with us .

$700 it is great price !! For that money you can't get any better rig .

Thanks
Arek AC2FC

On Jul 17, 2015, at 4:29 PM, "pa1ap@...t [orion565]" <orion565@yahoogroups.com> wrote:

> Regarding the blue screen, not to worry much. It does depend when the blue screen has been installed though. If its revision is below D than there is chance that the screen has a certain "flicker" when running blue on white. Revision D and higher do not have this issue.
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10777. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 22:49:15 UTC
From: Chris Tucker
Topic: 10761 Message: 10777

Thanks Oh No, I used the blue screen to Jew the owner of the Orion down in price to 700.00 ! Chris Tucker
Owner - Apple Roof Cleaning
813 - 655 - 8777
www.saferoofcleaning.com

From: "pa1ap@nextchallenge.net [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Friday, July 17, 2015 4:29 PM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

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10778. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 23:46:04 UTC
From: Barry N1EU
Topic: 10761 Message: 10778

Especially in light of how far our society seems to have progressed recently after struggling with racial, ethnic, and gender stereotyping, I am surprised, dissappointed and hurt to see language like that used in public OR private communication. Please realize how unacceptable and hurtful it is to use language like that.

Barry N1EU

On Fri, Jul 17, 2015 at 10:49 PM, Chris Tucker ka7niq@... [orion565] <orion565@yahoogroups.com> wrote:

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10779. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-17 23:56:32 UTC
From: Ken, W8EK
Topic: 10761 Message: 10779

How does one determine if they have "Revision D" or higher?

Thanks.

73,

Ken, W8EK

pa1ap@... [orion565] wrote on 7/17/2015 4:29 PM:
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>
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>
> --
> Posted by: pa1ap@...
> --
>
>
>

10780. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-18 00:19:22 UTC
From: Mike Schatzberg
Topic: 10761 Message: 10780

When I get to my computer this will be corrected.

I apologize to our many friends on this list.

73,

Mike
W2AJI
Owner Orion 565/566 Reflector

Sent from my iPhone

> On Jul 17, 2015, at 7:46 PM, Barry N1EU barry.n1eu@gmail.com [orion565] <orion565@yahoogroups.com> wrote:
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10781. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-18 00:31:27 UTC
From: Chris Tucker
Topic: 10761 Message: 10781

I meant no disrespect.I have a SteppIR 3 element, but mine has a Trombone for 40 meters on it.
 Chris Tucker
Owner - Apple Roof Cleaning
813 - 655 - 8777
www.saferoofcleaning.com

From: "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com>
To: Orion565 <orion565@yahoogroups.com>
Sent: Friday, July 17, 2015 7:46 PM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

  Especially in light of how far our society seems to have progressed recently after struggling with racial, ethnic, and gender stereotyping, I am surprised, dissappointed and hurt to see language like that used in public OR private communication. Please realize how unacceptable and hurtful it is to use language like that.

Barry N1EU

On Fri, Jul 17, 2015 at 10:49 PM, Chris Tucker ka7niq@... [orion565] <orion565@yahoogroups.com> wrote:

  Thanks Oh No, I used the blue screen to Jew the owner of the Orion down in price to 700.00 ! Chris Tucker
Owner - Apple Roof Cleaning
813 - 655 - 8777
www.saferoofcleaning.com

10782. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-18 00:41:31 UTC
From: Chris Tucker
Topic: 10761 Message: 10782

Sorry if I offended anyone with my "I used the blue screen to Jew Him down" comment.I have several Jewish friends here in Tampa (Sheldon Lenter and Ralph Kaplan and Jerrry Schneiderman) and I have heard them say before, what I just said ! In fact, Ralph Kaplan literally stole a Mercedes Benz from a Dealership. When we asked him how he got such a great deal, he smiled and said "I Jewed him down".
I buy and sell lots of stuff, and have said "I Jewed Him Down" plenty of times to my Jewish friends, when asked how I got such a great deal.
It never bothered them ....

Chris Tucker
Owner - Apple Roof Cleaning
813 - 655 - 8777
www.saferoofcleaning.com

From: "Mike Schatzberg cherokeehillfarm@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Friday, July 17, 2015 8:19 PM
Subject: Re: [orion565] Re: Buying A Blue Screen Orion 565

When I get to my computer this will be corrected.
I apologize to our many friends on this list.
73,
MikeW2AJIOwner Orion 565/566 Reflector
Sent from my iPhone

On Jul 17, 2015, at 7:46 PM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:

Especially in light of how far our society seems to have progressed recently after struggling with racial, ethnic, and gender stereotyping, I am surprised, dissappointed and hurt to see language like that used in public OR private communication. Please realize how unacceptable and hurtful it is to use language like that.

Barry N1EU

On Fri, Jul 17, 2015 at 10:49 PM, Chris Tucker ka7niq@... [orion565] <orion565@yahoogroups.com> wrote:

Thanks Oh No, I used the blue screen to Jew the owner of the Orion down in price to 700.00 ! Chris Tucker
Owner - Apple Roof Cleaning
813 - 655 - 8777
www.saferoofcleaning.com

10784. Re: [orion565] Re: Buying A Blue Screen Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-21 01:01:37 UTC
From: katz.ajamas@...
Topic: 10761 Message: 10784

No offense intended, none taken. Cultural sensitivity is supposed to be a two way street, not an obstacle course.
73, Bob ah7i/w4

10785. Orion II Aux I/O Vox

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-21 22:50:30 UTC
From: supertek1962@...
Topic: 10785 Message: 10785

I could not find an answer to this in the manual so I called Ten-Tec and they say it is possible to operate vox through the aux I/O on my Orion II. I just bought it so I am still learning the radio but so far I have not been able to key the tx with vox through the aux I/O. Has anyone done this? I did a search on this subject on this forum and didn't get any results so if it has already been discussed my apologies for starting a duplicate thread. Love the radio so far. Still trying to get everything dialed in.

Thanks

Jeff W7KNX

10786. Re: [orion565] Orion II Aux I/O Vox

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-22 00:25:55 UTC
From: trewins@...
Topic: 10785 Message: 10786

Hi Jeff, I had no audio getting into the Orion 2 on psk31 using my navigator interface through the aux input. Finally noticed the "aux input gain" in the ssb menu..corrected the problem, it was at zero turned it up and all was well. Just a thought.
73 de Dave KR4U

-----Original Message-----
From: supertek1962@... [orion565] <orion565@yahoogroups.com>
To: orion565 <orion565@yahoogroups.com>
Sent: Tue, Jul 21, 2015 6:50 pm
Subject: [orion565] Orion II Aux I/O Vox

I could not find an answer to this in the manual so I called Ten-Tec and they say it is possible to operate vox through the aux I/O on my Orion II. I just bought it so I am still learning the radio but so far I have not been able to key the tx with vox through the aux I/O. Has anyone done this? I did a search on this subject on this forum and didn't get any results so if it has already been discussed my apologies for starting a duplicate thread. Love the radio so far. Still trying to get everything dialed in.

Thanks

Jeff W7KNX

10787. Re: [orion565] Orion II Aux I/O Vox

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-22 01:15:19 UTC
From: supertek1962@...
Topic: 10785 Message: 10787

Hi Dave,

Tnx for the reply. Yes I have adjusted that menu item with no success. I'm assuming your interface is probably keying the PTT on the din connector? I can pass audio that way. Just not with VOX.

10788. Re: [orion565] Orion II Aux I/O Vox

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-22 02:59:17 UTC
From: trewins@...
Topic: 10785 Message: 10788

OK good that you found that item..good luck..Dave

-----Original Message-----
From: supertek1962@... [orion565] <orion565@yahoogroups.com>
To: orion565 <orion565@yahoogroups.com>
Sent: Tue, Jul 21, 2015 9:15 pm
Subject: Re: [orion565] Orion II Aux I/O Vox

Hi Dave,

Tnx for the reply. Yes I have adjusted that menu item with no success. I'm assuming your interface is probably keying the PTT on the din connector? I can pass audio that way. Just not with VOX.

10789. Re: Orion II Aux I/O Vox

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-22 10:40:20 UTC
From: Edward A. Feustel, N5EI
Topic: 10785 Message: 10789

Jeff,

I have the original Orion. I use the Ten Tec transformer-based solution to connect my computer to it. I use the setup with FLDIGI. Until recently I had to turn on VOX in order to key the rig. One of the settings that you might want to look at is the Menu setting for VOX. You may not have enough voltage from your source to turn the VOX on. With the transformer I/O I need about 25 DB of gain to trigger the standard VOX setting. One can lower the gain if one changes the VOX setting.

73,
Ed, N5EI

10790. Date in the Orion II Splash screen

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-23 14:38:45 UTC
From: wb4yal@...
Topic: 10790 Message: 10790

Hi,

When the Ten Tec Orion II start screen begins at startup, there is a Date that displays under the Firmware Info. Is this the date of the firmware or the date of manufacture of the Orion?

Thanks, John WB4YAL

10791. Re: [orion565] Date in the Orion II Splash screen

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-23 15:04:30 UTC
From: Barry N1EU
Topic: 10790 Message: 10791

it's gotta be the firmware

Barry N1EU

On Thu, Jul 23, 2015 at 10:38 AM, wb4yal@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hi,
>
>
> When the Ten Tec Orion II start screen begins at startup, there is a Date
> that displays under the Firmware Info. Is this the date of the firmware or
> the date of manufacture of the Orion?
>
>
> Thanks, John WB4YAL
>
>
>

10792. RE: [orion565] Date in the Orion II Splash screen

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-23 17:29:15 UTC
From: Andrew B Steen
Topic: 10790 Message: 10792

It is the date of the firmware.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, July 23, 2015 8:05 AM
To: Orion565
Subject: Re: [orion565] Date in the Orion II Splash screen

it's gotta be the firmware

Barry N1EU

On Thu, Jul 23, 2015 at 10:38 AM, wb4yal@... [orion565] <orion565@yahoogroups.com> wrote:

Hi,

When the Ten Tec Orion II start screen begins at startup, there is a Date that displays under the Firmware Info. Is this the date of the firmware or the date of manufacture of the Orion?

Thanks, John WB4YAL

10793. Re: Date in the Orion II Splash screen

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-23 18:52:17 UTC
From: wb4yal@...
Topic: 10790 Message: 10793

Thanks Folks!

10794. RE: [orion565] Date in the Orion II Splash screen

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-23 19:56:58 UTC
From: John Hudson
Topic: 10790 Message: 10794

Firmware.. also hold your MENU button (more than 1-2 secs) and the splash screen will come up and you can take a longer look at it. It does on the O1…

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, July 23, 2015 9:39 AM
To: orion565@yahoogroups.com
Subject: [orion565] Date in the Orion II Splash screen

Hi,

When the Ten Tec Orion II start screen begins at startup, there is a Date that displays under the Firmware Info. Is this the date of the firmware or the date of manufacture of the Orion?

Thanks, John WB4YAL

10795. RE: [orion565] Date in the Orion II Splash screen

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-23 23:00:32 UTC
From: Andrew B Steen
Topic: 10790 Message: 10795

It does indeed on the O II also, thanks.

Andrew

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, July 23, 2015 12:57 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Date in the Orion II Splash screen

Firmware.. also hold your MENU button (more than 1-2 secs) and the splash screen will come up and you can take a longer look at it. It does on the O1…

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, July 23, 2015 9:39 AM
To: orion565@yahoogroups.com
Subject: [orion565] Date in the Orion II Splash screen

Hi,

When the Ten Tec Orion II start screen begins at startup, there is a Date that displays under the Firmware Info. Is this the date of the firmware or the date of manufacture of the Orion?

Thanks, John WB4YAL

10797. RX-366 Filter Orientation

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-26 13:37:53 UTC
From: n5tf@...
Topic: 10797 Message: 10797

Anyone have knowledge on proper orientation of filters on the RX-366 board? I saw some older posts where some were suggesting that the filter labeling on the board was backwards when compared to proper filter installation. Currently all of my filters are facing in one direction and are completely reversed from the labeling on the board, is this correct?

Thanks,

Terry, N5TF

10798. Re: RX-366 Filter question

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-26 13:32:04 UTC
From: n5tf@...
Topic: 10345 Message: 10798

Barry or anyone else with knowledge on subject,
I have a new to me Orion 2 with 366 rx board. It has all filter slots filled but as you pointed out in your earlier post regarding orientation, the board labeling appears backwards from orientation. I have all my filters facing opposite of board labeling, is this the correct orientation?

Thanks,
Terry, N5TF

10799. Re: [orion565] Re: RX-366 Filter question

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-26 14:30:38 UTC
From: Barry N1EU
Topic: 10345 Message: 10799

As far as I know, board labelling is correct. It was the cover labelling
that was backwards in my Orion.

73, Barry N1EU

On Sun, Jul 26, 2015 at 1:32 PM, n5tf@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Barry or anyone else with knowledge on subject,
>
> I have a new to me Orion 2 with 366 rx board. It has all filter slots
> filled but as you pointed out in your earlier post regarding orientation,
> the board labeling appears backwards from orientation. I have all my
> filters facing opposite of board labeling, is this the correct orientation?
>
>
> Thanks,
>
> Terry, N5TF
>
>
>

10800. Re: [orion565] Re: RX-366 Filter question

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-26 14:51:42 UTC
From: n5tf@...
Topic: 10345 Message: 10800

On the RX 366 manual it shows the filter facing towards front of rig (opposite labeling on board), all of my filters face towards the front of the rig. The labeling on the board read from the rear of the rig. Is facing toward front of the rig the correct orientation?

N5TF, Terry

10801. Re: [orion565] Re: RX-366 Filter question

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-26 15:05:19 UTC
From: Barry N1EU
Topic: 10345 Message: 10801

The filters themselves can plug in either way in each slot. I was talking about the numbering of the slots as 1,2,3 or 3,2,1 and just saying the silkscreened numbering is correct on the PCB.

73,
Barry N1EU

On Sun, Jul 26, 2015 at 2:51 PM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> On the RX 366 manual it shows the filter facing towards front of rig
> (opposite labeling on board), all of my filters face towards the front of
> the rig. The labeling on the board read from the rear of the rig. Is
> facing toward front of the rig the correct orientation?
>
>
> N5TF, Terry
>
>
>

10802. Re: [orion565] Re: RX-366 Filter question

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-26 17:10:53 UTC
From: n5tf@...
Topic: 10345 Message: 10802

Ok. Thanks.

N5TF, Terry

10803. Re: [orion565] Orion or Omni VII?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-26 17:37:30 UTC
From: Joe
Topic: 10713 Message: 10803

Bill:
Ran into your email (below) on the 0rion565 group and wanted to know how did you adjust the TCXO (as it seems you did this while replacing the O2 battery [something I'm about to do])?
Looks like, with the rig stripped of the covers, etc., I'd be afraid to connect the power source to it to adjust the TCXO.
If you applied power with all the case opened (I assume you re-mounted the front panel), what did you use as a signal source?
Many tnx,
Joe, KX4JR

On 7/8/2015 15:19, k1fpv@... [orion565] wrote:
>
> Well, I can't speak to the original Orion as I only have the Orion 2,
> but I also have the OMNI VII, and comparing the Orion 2 to the OMNI
> VII, I think the Orion 2 beats the OMNI VII by a large margin.
>
> I was fortunate to buy my Orion 2 used with know issues. Beeing a
> retired EE, I went through my Orion 2 got it going and since then, the
> only time I had to open it up was to replace the battery a while ago.
> While it was open, I also adjusted the TCXO as it had drifted off
> frequency slightly. Oh...my OMNI VII also has it's TCXO off a bit.
> I'll be opening it up and getting it adjusted right on soon too.
>
> Performance and featurewise, I'll take the Orion II hands down!
>
> Bill
> K1FPV
>
>

10804. RX-366 Filter Orientation and Unidentified Filter BW

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-27 23:35:16 UTC
From: n5tf@...
Topic: 10804 Message: 10804

Received an email from Paul Clinton of Ten Tec today and he informed me that one must look at the bottom of the filter and place the pins connected to metal case of filter in the pin holes marked as grounds on the RX-366 board. You may need to gently pull back the padding material on the filter in order to see the pins and figure out which pins are grounded to the filter case.

Thanks Paul for this info.

While looking at the filters I discovered the following filter in the F1 slot of my RX-366:

ks electronics p/n 5276 48292 4711

Any ideas on bandwidth?

Thanks,
N5TF, Terry

10805. Re: [orion565] RX-366 Filter Orientation and Unidentified Filter BW

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-28 00:22:42 UTC
From: Barry N1EU
Topic: 10804 Message: 10805

Use an ohmmeter to figure out which pins are connected to the case.

Don't know for sure on the KS filter but just use a soundcard and spectrum analyzer software to plot its passband. Plug it in as the only filter (F2) with the other two slots (F1, F3) blank, tell the Orion menu that F2 is 6KHz, set dsp BW to 6000hz so that the filter kicks in, and you should see an audio spectrum with two rolloffs - the steep dsp filter rolloff 6000hz wide and a shallower roll off riding on top of it as wide as that filter is. A wild guess is that it's a 2.4KHz filter.

Barry N1EU

On Mon, Jul 27, 2015 at 11:35 PM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Received an email from Paul Clinton of Ten Tec today and he informed me
> that one must look at the bottom of the filter and place the pins connected
> to metal case of filter in the pin holes marked as grounds on the RX-366
> board. You may need to gently pull back the padding material on the filter
> in order to see the pins and figure out which pins are grounded to
> the filter case.
>
>
> Thanks Paul for this info.
>
>
> While looking at the filters I discovered the following filter in the F1
> slot of my RX-366:
>
>
> ks electronics p/n 5276 48292 4711
>
>
> Any ideas on bandwidth?
>
>
> Thanks,
>
> N5TF, Terry
>
>
>

10806. Re: [orion565] RX-366 Filter Orientation and Unidentified Filter BW

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-28 03:40:30 UTC
From: <holldrl@...>
Topic: 10804 Message: 10806

Just call KS Electronics Phoenix,AZ. ph# 602-971-3301. Give them the number, and they will tell you the specs. I have a KS in my RX-366. Darril/WD5GJP

From: mailto:orion565@yahoogroups.com
Sent: Monday, July 27, 2015 6:35 PM
To: orion565@yahoogroups.com
Subject: [orion565] RX-366 Filter Orientation and Unidentified Filter BW

Received an email from Paul Clinton of Ten Tec today and he informed me that one must look at the bottom of the filter and place the pins connected to metal case of filter in the pin holes marked as grounds on the RX-366 board. You may need to gently pull back the padding material on the filter in order to see the pins and figure out which pins are grounded to the filter case.

Thanks Paul for this info.

While looking at the filters I discovered the following filter in the F1 slot of my RX-366:

ks electronics p/n 5276 48292 4711

Any ideas on bandwidth?

Thanks,

N5TF, Terry

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.6086 / Virus Database: 4392/10318 - Release Date: 07/27/15

10807. Re: [orion565] RX-366 Filter Orientation and Unidentified Filter BW

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-28 10:10:08 UTC
From: n5tf@...
Topic: 10804 Message: 10807

Thanks for all the good feedback on RX-366 filters. I found a reference on the internet and confirmed that the KS Electronics filter is 2.4 kHz.

N5TF, Terry

10808. 565 TX

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-30 16:51:41 UTC
From: k9ot@...
Topic: 10808 Message: 10808

I have an Orion 565. It is connected to a Centurion amp.
If I use the TXen and TXout and turn on the keying loop, it has no output. It will put the amp in TX as the transmit light will light and it will stay on until I turn off the amp or put it in standby.

If I turn off the keying loop and leave the amp off it works as it should. Of course, no amp then.

I can use the amp if I use the amp connection on the 565 and the PTT connection on the amp.

Just wondering if anyone has had this happen to them, and if so, what was the fix?

Maybe not enough or good enough explanation of problem.

Thanks 73
Paul K9OT

10809. Re: [orion565] 565 TX

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-31 10:12:19 UTC
From: Martin Sole (HS0ZED)
Topic: 10808 Message: 10809

I have a similar problem with my 565 driving an Alpha 77D. I haven't had time to investigate it fully, I swapped to using the amp output for the time being. I had thought it was maybe the Alpha 77 output that was latching and keeping the Orion Tx En low but I have not experimented to any degree yet.

I would suggest you leave the Orion set for using the keying loop and just link TX out to Tx En. If that works then likely the problem is in the amp. If it doesn't then likely it's in the Orion, and I probably have the same fault.

73
Martin, HS0ZED

On 30/07/2015 19:51, k9ot@... [orion565] wrote:
>
> I have an Orion 565. It is connected to a Centurion amp.
> If I use the TXen and TXout and turn on the keying loop, it has no
> output. It will put the amp in TX as the transmit light will light and
> it will stay on until I turn off the amp or put it in standby.
>
> If I turn off the keying loop and leave the amp off it works as it
> should. Of course, no amp then.
>
> I can use the amp if I use the amp connection on the 565 and the PTT
> connection on the amp.
>
> Just wondering if anyone has had this happen to them, and if so, what
> was the fix?
>
> Maybe not enough or good enough explanation of problem.
>
> Thanks 73
> Paul K9OT
>
>
>

10810. Re: [orion565] 565 TX

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-31 10:32:13 UTC
From: Barry N1EU
Topic: 10808 Message: 10810

The Ten-Tec amps always had non-standard handshake timing in the keying loop. My understanding is that they were meant to work with the Omni V&VI TX EN/OUT lines. I would just use the Amp Key line and leave the Keying Loop off.

73, Barry N1EU

On Fri, Jul 31, 2015 at 6:12 AM, 'Martin Sole (HS0ZED)' martin@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I have a similar problem with my 565 driving an Alpha 77D. I haven't had
> time to investigate it fully, I swapped to using the amp output for the
> time being. I had thought it was maybe the Alpha 77 output that was
> latching and keeping the Orion Tx En low but I have not experimented to any
> degree yet.
>
> I would suggest you leave the Orion set for using the keying loop and just
> link TX out to Tx En. If that works then likely the problem is in the amp.
> If it doesn't then likely it's in the Orion, and I probably have the same
> fault.
>
> 73
> Martin, HS0ZED
>
>
> On 30/07/2015 19:51, k9ot@... [orion565] wrote:
>
>
>
> I have an Orion 565. It is connected to a Centurion amp.
> If I use the TXen and TXout and turn on the keying loop, it has no output.
> It will put the amp in TX as the transmit light will light and it will stay
> on until I turn off the amp or put it in standby.
>
> If I turn off the keying loop and leave the amp off it works as it should.
> Of course, no amp then.
>
> I can use the amp if I use the amp connection on the 565 and the PTT
> connection on the amp.
>
> Just wondering if anyone has had this happen to them, and if so, what was
> the fix?
>
> Maybe not enough or good enough explanation of problem.

>
> Thanks 73
> Paul K9OT
>
>
>
>
>

10811. RE: [orion565] 565 TX

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-31 13:42:59 UTC
From: Duane Calvin
Topic: 10808 Message: 10811

I’m not sure about the ’77, but the Alpha 99 worked fine with the Orion (565) keying loop for me.

Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com <http://www.ac5aa.com/>

<http://www.centraltexasbluegrass.org/join.html> ctba_gr

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, July 31, 2015 5:32 AM
To: Orion565
Subject: Re: [orion565] 565 TX

The Ten-Tec amps always had non-standard handshake timing in the keying loop. My understanding is that they were meant to work with the Omni V&VI TX EN/OUT lines. I would just use the Amp Key line and leave the Keying Loop off.

73, Barry N1EU

On Fri, Jul 31, 2015 at 6:12 AM, 'Martin Sole (HS0ZED)' martin@... [orion565] <orion565@yahoogroups.com> wrote:

I have a similar problem with my 565 driving an Alpha 77D. I haven't had time to investigate it fully, I swapped to using the amp output for the time being. I had thought it was maybe the Alpha 77 output that was latching and keeping the Orion Tx En low but I have not experimented to any degree yet.

I would suggest you leave the Orion set for using the keying loop and just link TX out to Tx En. If that works then likely the problem is in the amp. If it doesn't then likely it's in the Orion, and I probably have the same fault.

73
Martin, HS0ZED

On 30/07/2015 19:51, k9ot@... [orion565] wrote:

I have an Orion 565. It is connected to a Centurion amp.
If I use the TXen and TXout and turn on the keying loop, it has no output. It will put the amp in TX as the transmit light will light and it will stay on until I turn off the amp or put it in standby.

If I turn off the keying loop and leave the amp off it works as it should. Of course, no amp then.

I can use the amp if I use the amp connection on the 565 and the PTT connection on the amp.

Just wondering if anyone has had this happen to them, and if so, what was the fix?

Maybe not enough or good enough explanation of problem.

Thanks 73
Paul K9OT

[Non-text portions of this message have been removed]

10812. Re: [orion565] 565 TX

Yahoo group: orion565 (2014 — 2017)
Date: 2015-07-31 19:27:28 UTC
From: Martin Sole (HS0ZED)
Topic: 10808 Message: 10812

Hi Duane,

My 77D worked fine with the Orion for as long as I've had it. The 78
also. I just realised I need to plug the 78 into the ant1 connection to
confirm the problem is with the 77 not the Orion :) Or as I said earlier
maybe just loop Tx out to Tx En should at least prove the Orion is ok,
or not. It'll be mid September before I get to check it out though.

Rgds
Martin HS0ZED

On 31/07/2015 16:42, 'Duane Calvin' ac5aa1@... [orion565] wrote:
>
> I’m not sure about the ’77, but the Alpha 99 worked fine with the
> Orion (565) keying loop for me.
>
> Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com <http://www.ac5aa.com/>
>
> <http://www.centraltexasbluegrass.org/join.html> ctba_gr
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Friday, July 31, 2015 5:32 AM
> To: Orion565
> Subject: Re: [orion565] 565 TX
>
> The Ten-Tec amps always had non-standard handshake timing in the
> keying loop. My understanding is that they were meant to work with the
> Omni V&VI TX EN/OUT lines. I would just use the Amp Key line and leave
> the Keying Loop off.
>
> 73, Barry N1EU
>
> On Fri, Jul 31, 2015 at 6:12 AM, 'Martin Sole (HS0ZED)'
> martin@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I have a similar problem with my 565 driving an Alpha 77D. I haven't
> had time to investigate it fully, I swapped to using the amp output
> for the time being. I had thought it was maybe the Alpha 77 output
> that was latching and keeping the Orion Tx En low but I have not
> experimented to any degree yet.
>
> I would suggest you leave the Orion set for using the keying loop and

> just link TX out to Tx En. If that works then likely the problem is in
> the amp. If it doesn't then likely it's in the Orion, and I probably
> have the same fault.
>
> 73
> Martin, HS0ZED
>
> On 30/07/2015 19:51, k9ot@... [orion565] wrote:
>
> I have an Orion 565. It is connected to a Centurion amp.
> If I use the TXen and TXout and turn on the keying loop, it has no
> output. It will put the amp in TX as the transmit light will light and
> it will stay on until I turn off the amp or put it in standby.
>
> If I turn off the keying loop and leave the amp off it works as it
> should. Of course, no amp then.
>
> I can use the amp if I use the amp connection on the 565 and the PTT
> connection on the amp.
>
> Just wondering if anyone has had this happen to them, and if so, what
> was the fix?
>
> Maybe not enough or good enough explanation of problem.
>
> Thanks 73
> Paul K9OT
>
> [Non-text portions of this message have been removed]
>
>

10813. XLR to 8 pins

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-06 10:44:39 UTC
From: onl4008@...
Topic: 10813 Message: 10813

Hello,

I bought a new TT 707 microfoon. The cable was not in stock XLR to 8 pins.
Now have an XLR connector and 8 pin connector.
Would you can mail me the connection I can make this cable itself.
I would like to use the TT 707 via the 8 pins of the TT715 RF speech processor.

Like the connection of XLR TT 707 to the 8 pin TT 715 Rf Speech Processor please.
Could you send them via email please.

73 Pat ON3CQ

on3cq@skynet.be

10814. Re: [orion565] XLR to 8 pins

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-07 00:29:44 UTC
From: Wayne Staples
Topic: 10813 Message: 10814

On 06/08/15 20:44, onl4008@... [orion565] wrote:
>
>
> Hello,
>
>
> I bought a new TT 707 microfoon. The cable was not in stock XLR to 8 pins.
>
> Now have an XLR connector and 8 pin connector.
>
> Would you can mail me the connection I can make this cable itself.
>
> I would like to use the TT 707 via the 8 pins of the TT715 RF speech
> processor.
>
>
> Like the connection of XLR TT 707 to the 8 pin TT 715 Rf Speech
> Processor please.
>
> Could you send them via email please.
>
>
> 73 Pat ON3CQ
>
>
> on3cq@...
>
>
>
>
>
Hi Pat

4 pin xlr to 8 pin mic as follows

8 pin mic plug 4 pin xlr

1 n/c
2 10 +volts
3 n/c
4 n/c
5 Ground 3
6 PTT 4
7 Mic Ground (shield) 1
8 Mic 2

Cheers Hope this helps

Wayne VK4EU

10815. Fixung tuning knob on Orion 2 ?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-07 17:18:27 UTC
From: g4gzg@...
Topic: 10815 Message: 10815

Hi
I'm a new Orion 2 owner and therefore also a new group member. I bought my Orion 2 second hand from a local amateur who appears to have managed to loosen one of the tuning knobs so it now drops off when the rig is moved.

Otherwise the Orion is in good shape and I would like to know how to re fix the tuning knob as there doesn't seem to be an obvious way.

Any help gratefully received.

Regards

Larry G4GZG

10816. Re: [orion565] Fixung tuning knob on Orion 2 ?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-07 17:43:05 UTC
From: Tony
Topic: 10815 Message: 10816

Larry,
Take the rubber ring off the knob and you should find a small hole for an Allan key to fasten the knob. Good luck.
73, Tony VE3DWI?

Sent?from?my?BlackBerry?10?smartphone?on?the?Bell?network.

From: g4gzg@... [orion565]
Sent: Friday, August 7, 2015 13:18
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Subject: [orion565] Fixung tuning knob on Orion 2 ?

?

Hi
I'm a new Orion 2 owner and therefore also a new group member. I bought my Orion 2 second hand from a local amateur who appears to have managed to loosen one of the tuning knobs so it now drops off when the rig is moved.

Otherwise the Orion is in good shape and I would like to know how to re fix the tuning knob as there doesn't seem to be an obvious way.

Any help gratefully received.

Regards

Larry G4GZG

10817. Re: Fixung tuning knob on Orion 2 ?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-08 13:46:45 UTC
From: g4gzg@...
Topic: 10815 Message: 10817

Thanks, this worked really well. Guess I should have though of that but didn't want to start pulling the tuning knob to pieces ! Now onward with my new Orion 2 despite the bad conditions on HF.

73 de Larry G4GZG

10818. Re: [orion565] Re: Fixung tuning knob on Orion 2 ?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-08 14:57:38 UTC
From: Tony
Topic: 10815 Message: 10818

Glad to hear you got it corrected Larry. I've □had my Orion-II since 2007 and just LOVE it. Dread the day that it gives up because of old age but hopefully Ten-Tec by then has another winner in store. Enjoy the rig.
73, Tony VE3DWI.

Sent?from?my?BlackBerry?10?smartphone?on?the?Bell?network.

From: g4gzg@... [orion565]
Sent: Saturday, August 8, 2015 09:46
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Subject: [orion565] Re: Fixung tuning knob on Orion 2 ?

?

Thanks, this worked really well. Guess I should have though of that but didn't want to start pulling the tuning knob to pieces !??; Now onward with my new Orion 2? despite the bad conditions on HF.

73 de Larry G4GZG

10819. Orion 565AT Rcvr settings to counteract "splatter"

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-08 16:07:45 UTC
From: wb5ein@...
Topic: 10819 Message: 10819

Just in recent months have I set up my Orion 565AT, so I'm not positive that I have the receiver settings affixed properly.

Perhaps, I need to post the settings I have currently, but I am out of state right now and can't see my Orion screen. But, here's the deal....

I am practically 100% CW.

When I operate, I can often hear "clicks and blips" from stations several KHz away. Just this past week, I could hear W1AW sending code practice, so when I looked at the scope on the bottom of the display, I saw this big peak...but it was nearly 20 KHz away! Now, it wasn't like I was tuned onto that signal...but what I was hearing was the "beats" from the strong stations, kinda like buzzes.

It reminds me of when I was running the 20m mult station at contesting superstation, NQ4I, and the 20m run operator, sitting only a couple of feet away, was on the same band...and the interference would reduce my ability to copy other signals, particularly if I tuned too close to the run station. It didn't completely shut me down, but it just caused receive interference. Just a popping sound (I don't know how better to describe it) from a strong station nearby.

This situation is particularly noticeable during a contest. Often, I can actually copy what the interfering station is sending by listening to the clicks and spits. Sometimes, the interfering, strong station could be 5-10 KHz away. It definitely impacts my ability to work contests, particularly when I'm trying to do a "run."

I keep my receive filter set at 400 Hz.

From my experience at NQ4I, I know this is not normal. I figure it is ALL just "cockpit trouble." It's my inexperience with the Orion. What an awesome radio, indeed!

Is this an AGC dilemma? Filter? Antenna issue (I use a 400' horizontal loop at 40' through a MFJ automatic tuner)? Or, just something this idiot operator will have to learn to put up with?

So, from my feeble and somewhat redneck description of what's happening, can anybody shed light on this matter? Or, do I need to wait and send a listing of my receiver settings?

Thanks for all the sage counsel you can give to this helpless Southern boy!

--Larry S. Anderson, WB5EIN
Tupelo, MS (Birthplace of Elvis)

10820. Re: [orion565] Orion 565AT Rcvr settings to counteract "splatter"

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-08 20:27:09 UTC
From: Barry N1EU
Topic: 10819 Message: 10820

It's abnormal Larry. Is your noise blanker on?

If not, I would try a Master Reset and, if that doesn't fix it, a firmware re-flash as a last resort.

73, Barry N1EU

On Sat, Aug 8, 2015 at 4:07 PM, wb5ein@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Just in recent months have I set up my Orion 565AT, so I'm not positive
> that I have the receiver settings affixed properly.
>
>
> Perhaps, I need to post the settings I have currently, but I am out of
> state right now and can't see my Orion screen. But, here's the deal....
>
>
> I am practically 100% CW.
>
>
> When I operate, I can often hear "clicks and blips" from stations several
> KHz away. Just this past week, I could hear W1AW sending code practice, so
> when I looked at the scope on the bottom of the display, I saw this big
> peak...but it was nearly 20 KHz away! Now, it wasn't like I was tuned onto
> that signal...but what I was hearing was the "beats" from the strong
> stations, kinda like buzzes.
>
>
> It reminds me of when I was running the 20m mult station at contesting
> superstation, NQ4I, and the 20m run operator, sitting only a couple of feet
> away, was on the same band...and the interference would reduce my ability
> to copy other signals, particularly if I tuned too close to the run
> station. It didn't completely shut me down, but it just caused receive
> interference. Just a popping sound (I don't know how better to describe
> it) from a strong station nearby.
>
>
> This situation is particularly noticeable during a contest. Often, I can
> actually copy what the interfering station is sending by listening to the
> clicks and spits. Sometimes, the interfering, strong station could be 5-10
> KHz away. It definitely impacts my ability to work contests, particularly
> when I'm trying to do a "run."
>

>
> I keep my receive filter set at 400 Hz.
>
>
> From my experience at NQ4I, I know this is not normal. I figure it is ALL
> just "cockpit trouble." It's my inexperience with the Orion. What an
> awesome radio, indeed!
>
>
> Is this an AGC dilemma? Filter? Antenna issue (I use a 400' horizontal
> loop at 40' through a MFJ automatic tuner)? Or, just something this idiot
> operator will have to learn to put up with?
>
>
> So, from my feeble and somewhat redneck description of what's happening,
> can anybody shed light on this matter? Or, do I need to wait and send a
> listing of my receiver settings?
>
>
> Thanks for all the sage counsel you can give to this helpless Southern boy!
>
>
> --Larry S. Anderson, WB5EIN
>
> Tupelo, MS (Birthplace of Elvis)
>
>
>

10821. Re: [orion565] Orion 565AT Rcvr settings to counteract "splatter"

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-08 20:46:41 UTC
From: Larry Anderson WB5EIN
Topic: 10819 Message: 10821

Thanks.

I've used it only 5 times since it returned from a trip to the factory.

Barry, I appreciate your suggestions.

--Larry S. Anderson

Sent from my iPhone

> On Aug 8, 2015, at 3:27 PM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
> It's abnormal Larry. Is your noise blanker on?
>
> If not, I would try a Master Reset and, if that doesn't fix it, a firmware re-flash as a last resort.
>
> 73, Barry N1EU
>
>> On Sat, Aug 8, 2015 at 4:07 PM, wb5ein@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>> Just in recent months have I set up my Orion 565AT, so I'm not positive that I have the receiver settings affixed properly.
>>
>>
>>
>> Perhaps, I need to post the settings I have currently, but I am out of state right now and can't see my Orion screen. But, here's the deal....
>>
>>
>>
>> I am practically 100% CW.
>>
>>
>>
>> When I operate, I can often hear "clicks and blips" from stations several KHz away. Just this past week, I could hear W1AW sending code practice, so when I looked at the scope on the bottom of the display, I saw this big peak...but it was nearly 20 KHz away! Now, it wasn't like I was tuned onto that signal...but what I was hearing was the "beats" from the strong stations, kinda like buzzes.
>>
>>
>>
>> It reminds me of when I was running the 20m mult station at contesting superstation, NQ4I, and the 20m run operator, sitting only a couple of feet away, was on the same

band...and the interference would reduce my ability to copy other signals, particularly if I tuned too close to the run station. It didn't completely shut me down, but it just caused receive interference. Just a popping sound (I don't know how better to describe it) from a strong station nearby.
>>
>>
>>
>> This situation is particularly noticeable during a contest. Often, I can actually copy what the interfering station is sending by listening to the clicks and spits. Sometimes, the interfering, strong station could be 5-10 KHz away. It definitely impacts my ability to work contests, particularly when I'm trying to do a "run."
>>
>>
>>
>> I keep my receive filter set at 400 Hz.
>>
>>
>>
>> From my experience at NQ4I, I know this is not normal. I figure it is ALL just "cockpit trouble." It's my inexperience with the Orion. What an awesome radio, indeed!
>>
>>
>>
>> Is this an AGC dilemma? Filter? Antenna issue (I use a 400' horizontal loop at 40' through a MFJ automatic tuner)? Or, just something this idiot operator will have to learn to put up with?
>>
>>
>>
>> So, from my feeble and somewhat redneck description of what's happening, can anybody shed light on this matter? Or, do I need to wait and send a listing of my receiver settings?
>>
>>
>>
>> Thanks for all the sage counsel you can give to this helpless Southern boy!
>>
>>
>>
>> --Larry S. Anderson, WB5EIN
>>
>> Tupelo, MS (Birthplace of Elvis)
>>
>
>

10822. Re: [orion565] Orion 565AT Rcvr settings to counteract "splatter"

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-08 20:55:08 UTC
From: Barry N1EU
Topic: 10819 Message: 10822

If you haven't already done so since it returned from the factory, I would definitely re-flash the firmware followed by a master reset before going any further.

Barry N1EU

On Sat, Aug 8, 2015 at 8:46 PM, Larry Anderson WB5EIN wb5ein@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Thanks.
>
> I've used it only 5 times since it returned from a trip to the factory.
>
> Barry, I appreciate your suggestions.
>
> --Larry S. Anderson
>
> Sent from my iPhone
>
> On Aug 8, 2015, at 3:27 PM, Barry N1EU barry.n1eu@gmail.com [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
>
> It's abnormal Larry. Is your noise blanker on?
>
> If not, I would try a Master Reset and, if that doesn't fix it, a firmware
> re-flash as a last resort.
>
> 73, Barry N1EU
>
> On Sat, Aug 8, 2015 at 4:07 PM, wb5ein@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> Just in recent months have I set up my Orion 565AT, so I'm not positive
>> that I have the receiver settings affixed properly.
>>
>>
>> Perhaps, I need to post the settings I have currently, but I am out of
>> state right now and can't see my Orion screen. But, here's the deal....
>>
>>

>> I am practically 100% CW.
>>
>>
>> When I operate, I can often hear "clicks and blips" from stations several
>> KHz away. Just this past week, I could hear W1AW sending code practice, so
>> when I looked at the scope on the bottom of the display, I saw this big
>> peak...but it was nearly 20 KHz away! Now, it wasn't like I was tuned onto
>> that signal...but what I was hearing was the "beats" from the strong
>> stations, kinda like buzzes.
>>
>>
>> It reminds me of when I was running the 20m mult station at contesting
>> superstation, NQ4I, and the 20m run operator, sitting only a couple of feet
>> away, was on the same band...and the interference would reduce my ability
>> to copy other signals, particularly if I tuned too close to the run
>> station. It didn't completely shut me down, but it just caused receive
>> interference. Just a popping sound (I don't know how better to describe
>> it) from a strong station nearby.
>>
>>
>> This situation is particularly noticeable during a contest. Often, I can
>> actually copy what the interfering station is sending by listening to the
>> clicks and spits. Sometimes, the interfering, strong station could be 5-10
>> KHz away. It definitely impacts my ability to work contests, particularly
>> when I'm trying to do a "run."
>>
>>
>> I keep my receive filter set at 400 Hz.
>>
>>
>> From my experience at NQ4I, I know this is not normal. I figure it is
>> ALL just "cockpit trouble." It's my inexperience with the Orion. What an
>> awesome radio, indeed!
>>
>>
>> Is this an AGC dilemma? Filter? Antenna issue (I use a 400' horizontal
>> loop at 40' through a MFJ automatic tuner)? Or, just something this idiot
>> operator will have to learn to put up with?
>>
>>
>> So, from my feeble and somewhat redneck description of what's happening,
>> can anybody shed light on this matter? Or, do I need to wait and send a
>> listing of my receiver settings?
>>
>>
>> Thanks for all the sage counsel you can give to this helpless Southern
>> boy!
>>
>>
>> --Larry S. Anderson, WB5EIN

>>
>> Tupelo, MS (Birthplace of Elvis)
>>
>>
>
>

10823. Wanted: Orion Aux dongle cable

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-09 18:01:03 UTC
From: Barry N1EU
Topic: 10823 Message: 10823

I'm looking for the Orion Aux cable with DIN connector on one end and multiple RCA phono jacks on the other end. Does anyone have one to sell?

Thanks & 73,
Barry N1EU

10824. Re: Wanted: Orion Aux dongle cable

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-10 13:34:20 UTC
From: Barry N1EU
Topic: 10823 Message: 10824

I've been offered a cable so no longer need one.

Thanks & 73,
Barry N1EU

On Sun, Aug 9, 2015 at 2:01 PM, Barry N1EU <barry.n1eu@...> wrote:

> I'm looking for the Orion Aux cable with DIN connector on one end and
> multiple RCA phono jacks on the other end. Does anyone have one to sell?
>
> Thanks & 73,
> Barry N1EU
>

10825. Re: Orion 565AT Rcvr settings to counteract "splatter"

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-10 18:58:13 UTC
From: Paul Horvitz
Topic: 10819 Message: 10825

Yeah, that's not right!
And by that i mean the way your Orion is receiving.
My Orion has the BEST [(!!) by far] receiver i have ever heard in any radio and i have had lots.

Used to be a member of NCCC and did the contesting thing. Mostly Cal QSO and of course SS CW.
Suggestion?
Try tinkering around with the AGC settings if the reset does not help.

73 paul
wa6iaf

10826. Re: Orion 565AT Rcvr settings to counteract "splatter"

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-10 19:09:04 UTC
From: Paul Horvitz
Topic: 10819 Message: 10826

Hi Larry...
The Orion takes a bit of time to get settled into and learn.
Don't give up !!
They are not easy like Kenwoods but
but once you have them figured out they are amazing!

btw, i saw Elvis yesterday

73 paul
WA6IAF

10827. Orion I Tuner Failure

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-16 06:45:26 UTC
From: al7cr@...
Topic: 10827 Message: 10827

The internal tuner on my rig has ceased working. It functioned for many years and then two days ago would begin to tune when commanded and abruptly stop. After doing this for less than ten attempts it now does nothing at all. I have reseated all the cables, replaced the tuner battery, and reloaded the rig firmware to no effect. Sadly the rig is just back from TenTec for an over expensive power supply repair. Does anyone have any ideas other than sending it back once again?

10828. RX-366 search

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-17 04:13:31 UTC
From: Dr. Larry Anderson
Topic: 10828 Message: 10828

Well, I think I join the legions of other Orion 565 owners who are keenly interested in uncovering a treasure trove of RX-366 boards that are suddenly discovered at Ten-Tec (or elsewhere).

Like our resident guru, Barry (N1EU), says…and rightfully so…the Orion 565 subreceiver is not on par with the main rcvr. And, for SO2V operation, I find it nearly hopeless.

From what I've read and heard, that RX-366 board turns the Orion into a totally new machine. Surely would love to find one of those boards in great working condition.

Now, who has a magic wand? Or, should we employ Indiana Jones to discover a pile of those things hidden in some far away, exotic location? :-)

Wanted: RX-366 for Christmas!

--Larry WB5EIN

Dr. Larry S. Anderson, Founder/CEO
National Center for Technology Planning
P. O. Box 2393 -- Tupelo, MS 38803
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http://nctpcast.libsyn.com <http://nctpcast.libsyn.com/>

10829. Re: [orion565] RX-366 search

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-17 18:23:31 UTC
From: K Van Horn
Topic: 10828 Message: 10829

Dear Larry,

The RX366 (with mods to make it work on AM broadcast band) is essentially an Eagle receiver in sheep's clothing. I have one 366 in each of my Orion 2 transceivers and find that the RX366s normally outperform the main receiver the way that I use them on the ham bands and DXing on the AM broadcast band. It should be noted that I have NO High Power AM radio stations anywhere close to me, so it makes the AM broadcast band mod really play well. The way the RX366 was originally designed was to place a filter in the signal path to protect the ham band receivers above 1.8 mhz from the intermod generated by high power AM (read 50KW) broadcast band stations.

It is my belief that relatively few of these rx366 receiver boards were built. I considered myself very lucky to get my two. Perhaps if you could find someone selling his orion or orion 2 he could be persuaded to reinstall his original subreceiver and sell you his RX366. I will do some checking around to see if I can find the number that were built. Hope that you find one!!

73,
kirby, k7ec

From: mailto:orion565@yahoogroups.com
Sent: Sunday, 16 August, 2015 22:13
To: orion565@yahoogroups.com
Subject: [orion565] RX-366 search

Well, I think I join the legions of other Orion 565 owners who are keenly interested in uncovering a treasure trove of RX-366 boards that are suddenly discovered at Ten-Tec (or elsewhere).

Like our resident guru, Barry (N1EU), says…and rightfully so…the Orion 565 subreceiver is not on par with the main rcvr. And, for SO2V operation, I find it nearly hopeless.

From what I’ve read and heard, that RX-366 board turns the Orion into a totally new machine. Surely would love to find one of those boards in great working condition.

Now, who has a magic wand? Or, should we employ Indiana Jones to discover a pile of those things hidden in some far away, exotic location? :-)

Wanted: RX-366 for Christmas!

--Larry WB5EIN

Dr. Larry S. Anderson, Founder/CEO
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https://www.avast.com/antivirus

10830. Need driver install for TenTec USB-64 Cable

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-18 22:07:46 UTC
From: Torrey Mitchell
Topic: 10830 Message: 10830

I accidentally uninstalled the driver software for my TenTec USB-64 USB to serial converter cable. No my PC will not connect to the Orion II. I presume there was a software installer or, at least, a web link to acquire the driver software.

Can anyone help me here?

Tnx and 73,

Torrey N9PY

10831. Re: [orion565] Need driver install for TenTec USB-64 Cable

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-18 22:19:20 UTC
From: Dr. Larry Anderson
Topic: 10830 Message: 10831

Pardon my ignorance. Are you talking about an FTDI or Prolific cable (USB to serial)?

If so, drivers can be found online. Or, I can send you mine. FTDI is much preferred to Prolific, particularly if you use a Winkeyer.

And, please pardon me if I've totally missed the point of your message.

I use an Orion 565 with Winkeyer attached, FYI.

--Larry WB5EIN

Dr. Larry S. Anderson, Founder/CEO
National Center for Technology Planning
P. O. Box 2393 -- Tupelo, MS 38803
662.844.9630 (Voice & FAX) -- 662.321.0677 (Cell)
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Blog -- nctpcast(dot)blogspot(dot)com <http://nctpcast(dot)blogspot(dot)com>
My podcast -- Think Like A Leader
http://nctpcast.libsyn.com <http://nctpcast.libsyn.com/>

> On Aug 18, 2015, at 5:07 PM, 'Torrey Mitchell' torreym@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> I accidentally uninstalled the driver software for my TenTec USB-64 USB to serial converter cable. No my PC will not connect to the Orion II. I presume there was a software installer or, at least, a web link to acquire the driver software.
>
>
>
> Can anyone help me here?
>
>
>
> Tnx and 73,
>
> Torrey N9PY
>
>
>

10832. RE: [orion565] Need driver install for TenTec USB-64 Cable

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-18 23:25:21 UTC
From: John T. Fleming
Topic: 10830 Message: 10832

Torrey,

While the device is plugged in, go to Device Manager and Uninstall the device. If you get a screen asking to uninstall the software, tell it yes. Then click on Action and tell it to search for new devices. That should start a fresh search for drivers and it should find the correct driver for the chip set.

Good luck and 73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, August 18, 2015 6:08 PM
To: orion565@yahoogroups.com
Subject: [orion565] Need driver install for TenTec USB-64 Cable

I accidentally uninstalled the driver software for my TenTec USB-64 USB to serial converter cable. No my PC will not connect to the Orion II. I presume there was a software installer or, at least, a web link to acquire the driver software.

Can anyone help me here?

Tnx and 73,

Torrey N9PY

10833. RE: [orion565] Need driver install for TenTec USB-64 Cable

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-19 02:56:58 UTC
From: Torrey Mitchell
Topic: 10830 Message: 10833

Thank you John.

That was exactly what I needed. I'm back in action with the Orion II, LP-PAN2, and NaP3. I couldn't get NaP3 v5 to work for me because it could not find COM3. So I am back to 4.0 RC3. It took your maneuver to reestablish the driver to use with 4.0 RC3. I am comfortable with 4.0 RC3; but I love to tinker with something new.

Maybe some other day (when I have more patience) I will install v 5.0 again and force reinstallation of the driver.

Thanks again,

Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, August 18, 2015 18:25
To: orion565@yahoogroups.com
Subject: RE: [orion565] Need driver install for TenTec USB-64 Cable

Torrey,

While the device is plugged in, go to Device Manager and Uninstall the device. If you get a screen asking to uninstall the software, tell it yes. Then click on Action and tell it to search for new devices. That should start a fresh search for drivers and it should find the correct driver for the chip set.

Good luck and 73,

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From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
[mailto:orion565@yahoogroups.com]
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To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
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Can anyone help me here?

Tnx and 73,

Torrey N9PY

10834. RE: [orion565] Need driver install for TenTec USB-64 Cable

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-19 03:00:17 UTC
From: Torrey Mitchell
Topic: 10830 Message: 10834

Larry,

It is the Prolific cable sold by TenTec and made by RT. I got the driver to reinstall using John's help…see next post.

I have an FTDI cable somewhere around here. I need to find it so I will have fewer headaches.

Tnx and 73,

Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, August 18, 2015 17:19
To: orion565@yahoogroups.com
Subject: Re: [orion565] Need driver install for TenTec USB-64 Cable

Pardon my ignorance. Are you talking about an FTDI or Prolific cable (USB to serial)?

If so, drivers can be found online. Or, I can send you mine. FTDI is much preferred to Prolific, particularly if you use a Winkeyer.

And, please pardon me if I've totally missed the point of your message.

I use an Orion 565 with Winkeyer attached, FYI.

--Larry WB5EIN

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On Aug 18, 2015, at 5:07 PM, 'Torrey Mitchell' torreym@... <mailto:torreym@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com> > wrote:

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Can anyone help me here?

Tnx and 73,

Torrey N9PY

10835. RE: [orion565] Need driver install for TenTec USB-64 Cable

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-19 03:58:05 UTC
From: John T. Fleming
Topic: 10830 Message: 10835

Torrey,

Here is your next challenge should you accept! Go to the properties of the USB adapter in Device manager and change the Port to "3" if that is what you need. Or is there a setting in Version 5 to change the port to what the USB has set? If you change the port in Device manager, you will have to restart your computer for it to take effect.

As I always say, "I'll go it over until the computer gets it right!" And remember it is only electrons. If you goof things up, it is the fun of totally reloading! :-{

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, August 18, 2015 10:57 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Need driver install for TenTec USB-64 Cable

Thank you John.

That was exactly what I needed. I'm back in action with the Orion II, LP-PAN2, and NaP3. I couldn't get NaP3 v5 to work for me because it could not find COM3. So I am back to 4.0 RC3. It took your maneuver to reestablish the driver to use with 4.0 RC3. I am comfortable with 4.0 RC3; but I love to tinker with something new.

Maybe some other day (when I have more patience) I will install v 5.0 again and force reinstallation of the driver.

Thanks again,

Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, August 18, 2015 18:25
To: orion565@yahoogroups.com
Subject: RE: [orion565] Need driver install for TenTec USB-64 Cable

Torrey,

While the device is plugged in, go to Device Manager and Uninstall the device. If you get a screen asking to uninstall the software, tell it yes. Then click on Action and tell it to search for new devices. That should start a fresh search for drivers and it should find the correct driver for the chip set.

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John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, August 18, 2015 6:08 PM
To: orion565@yahoogroups.com
Subject: [orion565] Need driver install for TenTec USB-64 Cable

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Can anyone help me here?

Tnx and 73,

Torrey N9PY

10836. Re: [orion565] Need driver install for TenTec USB-64 Cable

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-19 20:21:56 UTC
From: K Van Horn
Topic: 10830 Message: 10836

One of the really serious problems involved with connecting windoz computers with radios for control or firmware is that Microsoft changed the way that RS232 ports (and therefor USB) worked in windoz 8 and later, so that the programs that worked to update and control with windoz 7 and below will no longer connect to the radios when the computers are updated to win8 or beyond. The programs that are used to connect to the radios must be re-written to conform to the new microsoft standard (or you must not update your computer beyond win 7 to keep the original program working- much easier option for most of us!!) k7ec

From: mailto:orion565@yahoogroups.com
Sent: Tuesday, 18 August, 2015 16:19
To: orion565@yahoogroups.com
Subject: Re: [orion565] Need driver install for TenTec USB-64 Cable

Pardon my ignorance. Are you talking about an FTDI or Prolific cable (USB to serial)?

If so, drivers can be found online. Or, I can send you mine. FTDI is much preferred to Prolific, particularly if you use a Winkeyer.

And, please pardon me if I’ve totally missed the point of your message.

I use an Orion 565 with Winkeyer attached, FYI.

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On Aug 18, 2015, at 5:07 PM, 'Torrey Mitchell' torreym@... [orion565] <orion565@yahoogroups.com> wrote:

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Can anyone help me here?

Tnx and 73,

Torrey N9PY

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

10837. Orion-II 5MHz disable

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-19 20:27:07 UTC
From: ham_groups@...
Topic: 10837 Message: 10837

A ham in Japan is wanting an Orion-II 566, however since its an USA model and it transmits on 5MHz which is illegal in Japan, he is requesting how to disable 5Mhz transmit. Does anyone know a way to do this?

Thanks, NE7X...

10838. Orion II TX/RX Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-27 15:58:31 UTC
From: superflummi1@...
Topic: 10838 Message: 10838

Hello
my Orion 2 has a TX and problem RX
from an achievement of 50 watts there rises the SWR on 1.6 - High SWR and the Main RX has approx.-20 db
if I the Main RX separate goes of the TX perfectly the following defective ones shares changed
A0 input / output D84,87,93,94 R62,133
LPF is OK.
Does somebody know the problem??

10839. Nice 565 for Sale

Yahoo group: orion565 (2014 — 2017)
Date: 2015-08-29 00:20:46 UTC
From: al7cr@...
Topic: 10839 Message: 10839

Details at eham.net

10840. Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-04 00:54:41 UTC
From: pinoleronica@...
Topic: 10840 Message: 10840

Yeap, all of the sudden no more connectivity to any software...nada...pufff, gone!

For a few days, I've been enjoying SDRPlay through Orion 1 IF Out using HDSDR and other SDR software...then it stopped responding. Ran the serial test file listed here..no response...changed PC as well.

What is the next step? Can I fix myself? Help anyone!!!

Rafael
NN3RP
Nation's Capital

10841. Re: Nice 565 for Sale

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-04 03:50:19 UTC
From: kd4lyh@...
Topic: 10839 Message: 10841

I dont see it posted or I cant find it maybe it sold .

Jeff
Kd4lyh

10842. Re: [orion565] Re: Nice 565 for Sale

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-04 07:59:22 UTC
From: Barry N1EU
Topic: 10839 Message: 10842

*TenTec Orion 565 with 9 Mhz IF output
<http://www.eham.net/classifieds/detail/477982>*

Orion 565 in very nice condition with all optional filters. It is completely functional, has a clear high contrast display, and full output on all bands. Returned from TenTec service in June after installation of PowerPoles, replacement of the capacitors on the power distribution board, and installation of a new battery. The version 2 mod had been completed and the May 2015 software release (V3.032x7b) is installed. A Clifton Labs Z10000 buffer amp is fitted providing the 9 MHz IF at the rear panel for use with a panadapter. A model 310 heat sink fan, the TenTec supplied bag of spares, the original manual updated for the current software release, a copy of the 565 Programmers Reference Guide, a TenTec hand mike, a headset adapter cable for the four pin mike plug and a power cable are all included. It has always been in a non-smoking environment and is cosmetically in very nice condition. $1375 via PayPal plus shipping in the original TenTec carton.

(I don't understand why folks just don't post the info here in the first place rather than make you go somewhere else to look)

Barry N1EU

On Fri, Sep 4, 2015 at 3:50 AM, kd4lyh@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> I dont see it posted or I cant find it maybe it sold .
>
> Jeff
> Kd4lyh
>
>

10843. Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-04 09:12:51 UTC
From: Onno PA1AP
Topic: 10840 Message: 10843

Sounds like the max232 chip got fried. Earth potential difference between orion and computer is main cause in most cases. Once upon a time I wrote serial tester which tested all associated serial port pins and status. Www.box.com/pa1ap should be a link to it. Regards, Onno

10844. Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-04 14:36:27 UTC
From: pinoleronica@...
Topic: 10840 Message: 10844

Thanks, Onno. Earth/ground bus is the same for both Orion / PC. It's been working fine.

I did the serial test.

Iniitially, when Com Port is selected and Connect is enabled, I get Red on Computer Status / Orion Status. Then the results are:

10:05:38 : Serial ports found on computer: COM8
10:06:27 : CTS: False CD: False DSR: False Is Open: True Break State: False DTR Enable: False Baudrate: 57600 Parity: 0 Stop bits: 1 Handshake: 263576957987497 mS
serial port selected: COM8 but CTS is low

When the rig is power cicle, I get no reply back of course.

I wonder how many of us have gone through this scenario...that's why the poll.

Who has the ability to fix this other than TT?

10845. Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-06 14:01:48 UTC
From: pinoleronica@...
Topic: 10840 Message: 10845

....and lastly, found out a day or two ago, there is not power out at all...something really messy happened to the rig and this whilst not even TXing just SDR playing...a trip to TT is the only alternative...might end up being a door stop.

Rafael / NN3RP

10846. Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-07 15:06:15 UTC
From: pa1ap
Topic: 10840 Message: 10846

OK seems like the transmit side of max 232 is busted. If you connect the serial tester and start it, it will monitor the pins. Power cycle the orion and the program will look for the orion boot command as send during boot sequence. If its not received it will remain red, green if it works.

The serial chip is located on the logic board. You will need to replace it with proper smd soldering tools. Chip cost a few dollars.

To make sure its the orion and not computer serial cable I would recommend connecting through another USB based serial cable. Just to confirm which side is defective.

If indeed max232 tx is defective you can still program the orion if you use a serial console program and ignore the hardware handshake. Sending a frequency command would / should take effect.

I have seen a hand full cases of serial chip failures. Most caused by disconnecting / connecting the cable and some potential difference.

Best regards, Onno pa1ap

10847. O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-08 15:44:28 UTC
From: Marty
Topic: 10847 Message: 10847

All:

My 3-1/2 year old O2 is going straight to Master Reset when just simply turning the power on.

Thinking it might be a premature CPU battery failure I called TT Service and talked to Paul. He said short of a stuck "Lck" button or low power supply voltage, it will need to be sent in to look at the logic board.

Does anyone else have any ideas? It would really be a drag to have a huge repair bill on a brand new rig I bought less than 4 years ago and been immaculately cared for.

And then, are logic boards still available? I could just leave it powered up 24/7 hi!

73 Marty / W4MY

10848. RE: [orion565] O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-08 15:58:46 UTC
From: Duane Calvin
Topic: 10847 Message: 10848

Stop worrying, order a new battery and replace it. Paul gave me the same routine when I called to order a battery for my Orion. I told him to ship me a battery anyway, and if that didn't fix it, then I'd call him back. Of course, it fixed it. I'm not saying it's guaranteed, but chances are good that is what is wrong.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, September 08, 2015 10:44 AM
To: orion565@yahoogroups.com
Subject: [orion565] O2 Master Reset

All:

My 3-1/2 year old O2 is going straight to Master Reset when just simply turning the power on.

Thinking it might be a premature CPU battery failure I called TT Service and talked to Paul. He said short of a stuck "Lck" button or low power supply voltage, it will need to be sent in to look at the logic board.

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And then, are logic boards still available? I could just leave it powered up 24/7 hi!

73 Marty / W4MY

Posted by: Marty <w4my@...>

Yahoo Groups Links

10849. Re: [orion565] O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-08 17:14:48 UTC
From: catfishtwo@...
Topic: 10847 Message: 10849

Yup anytime they get weird, and its been a couple of years, put in a new battery first. about 10 bucks and easy to do. tom N6AJR

In a message dated 9/8/2015 8:58:50 A.M. Pacific Daylight Time, orion565@yahoogroups.com writes:

Stop worrying, order a new battery and replace it. Paul gave me the same routine when I called to order a battery for my Orion. I told him to ship me a battery anyway, and if that didn't fix it, then I'd call him back. Of course, it fixed it. I'm not saying it's guaranteed, but chances are good that is what is wrong.

73, Duane

Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com

-----Original Message-----
From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, September 08, 2015 10:44 AM
To: orion565@yahoogroups.com
Subject: [orion565] O2 Master Reset

All:

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And then, are logic boards still available? I could just leave it powered up 24/7 hi!

73 Marty / W4MY

Posted by: Marty <w4my@...>

Yahoo Groups Links

Posted by: "Duane Calvin" <ac5aa1@...>

Yahoo Groups Links

10850. Re: [orion565] O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-08 17:23:11 UTC
From: Marty
Topic: 10847 Message: 10850

Thanks, Tom, I guess I was expecting a little beyond 3-1/2 years out of the battery, but this is my first go around, part of the learning process I guess.

I'll just change it and see what happens.

73 Marty / W4MY

> On Sep 8, 2015, at 1:14 PM, catfishtwo@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Yup anytime they get weird, and its been a couple of years, put in a new battery first. about 10 bucks and easy to do. tom N6AJR
>
>
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> course, it fixed it. I'm not saying it's guaranteed, but chances are good
> that is what is wrong.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
>
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Tuesday, September 08, 2015 10:44 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] O2 Master Reset
>
> All:
>
> My 3-1/2 year old O2 is going straight to Master Reset when just simply
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> And then, are logic boards still available? I could just leave it powered
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> 73 Marty / W4MY
>
> ------------------------------------
> Posted by: Marty <w4my@...>
> ------------------------------------
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> Yahoo Groups Links
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> Posted by: "Duane Calvin" <ac5aa1@...>
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> Yahoo Groups Links
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10851. Re: [orion565] O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-08 17:25:41 UTC
From: catfishtwo@...
Topic: 10847 Message: 10851

:) can't hurt. tom

In a message dated 9/8/2015 10:23:18 A.M. Pacific Daylight Time,
orion565@yahoogroups.com writes:

Thanks, Tom, I guess I was expecting a little beyond 3-1/2 years out of
the battery, but this is my first go around, part of the learning process I
guess.

I'll just change it and see what happens.

73 Marty / W4MY

On Sep 8, 2015, at 1:14 PM, _catfishtwo@..._
(mailto:catfishtwo@...) [orion565] <_orion565@yahoogroups.com_
(mailto:orion565@yahoogroups.com)
> wrote:

Yup anytime they get weird, and its been a couple of years, put in a new
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Duane Calvin, AC5AA
Austin, Texas
www.ac5aa.com (http://www.ac5aa.com/)

-----Original Message-----
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[mailto:orion565@yahoogroups.com]
Sent: Tuesday, September 08, 2015 10:44 AM
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Subject: [orion565] O2 Master Reset

All:

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And then, are logic boards still available? I could just leave it powered
up 24/7 hi!

73 Marty / W4MY

Posted by: Marty <_w4my@reagan.com_ (mailto:w4my@...) >

Yahoo Groups Links

Posted by: "Duane Calvin" <_ac5aa1@..._ (mailto:ac5aa1@...) >

Yahoo Groups Links

orion565-fullfeatured@yahoogroups.com
(mailto:orion565-fullfeatured@yahoogroups.com)

10852. Re: [orion565] O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-08 18:06:30 UTC
From: John K7FD
Topic: 10847 Message: 10852

I was quoted $700 plus for a TT logic board replacement in my one and half year old O2. That was year or two ago. Good luck...

73 John K7FD

> On Sep 8, 2015, at 8:44 AM, Marty w4my@... [orion565] <orion565@yahoogroups.com> wrote:
>
> All:
>
> My 3-1/2 year old O2 is going straight to Master Reset when just simply turning the power on.
>
> Thinking it might be a premature CPU battery failure I called TT Service and talked to Paul. He said short of a stuck "Lck" button or low power supply voltage, it will need to be sent in to look at the logic board.
>
> Does anyone else have any ideas? It would really be a drag to have a huge repair bill on a brand new rig I bought less than 4 years ago and been immaculately cared for.
>
> And then, are logic boards still available? I could just leave it powered up 24/7 hi!
>
> 73 Marty / W4MY
>
>

10853. Re: [orion565] O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-08 18:07:28 UTC
From: John K7FD
Topic: 10847 Message: 10853

The battery did not fix my O2 unfortunately :(

John K7FD

> On Sep 8, 2015, at 8:58 AM, 'Duane Calvin' ac5aa1@... [orion565]
<orion565@yahoogroups.com> wrote:
>
> Stop worrying, order a new battery and replace it. Paul gave me the same
> routine when I called to order a battery for my Orion. I told him to ship
> me a battery anyway, and if that didn't fix it, then I'd call him back. Of
> course, it fixed it. I'm not saying it's guaranteed, but chances are good
> that is what is wrong.
>
> 73, Duane
>
> Duane Calvin, AC5AA
> Austin, Texas
> www.ac5aa.com
>
> -----Original Message-----
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Tuesday, September 08, 2015 10:44 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] O2 Master Reset
>
> All:
>
> My 3-1/2 year old O2 is going straight to Master Reset when just simply
> turning the power on.
>
> Thinking it might be a premature CPU battery failure I called TT Service and
> talked to Paul. He said short of a stuck "Lck" button or low power supply
> voltage, it will need to be sent in to look at the logic board.
>
> Does anyone else have any ideas? It would really be a drag to have a huge
> repair bill on a brand new rig I bought less than 4 years ago and been
> immaculately cared for.
>
> And then, are logic boards still available? I could just leave it powered
> up 24/7 hi!
>
> 73 Marty / W4MY
>
> ------------------------------------
> Posted by: Marty <w4my@...>

> ------------------------------------
>
> ------------------------------------
>
> Yahoo Groups Links
>
>

10854. Re: [orion565] O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-08 22:13:57 UTC
From: K Van Horn
Topic: 10847 Message: 10854

I hope you snapped it up as the processor is NO LONGER Available!!
Kirby, k7ec

From: mailto:orion565@yahoogroups.com
Sent: Tuesday, 8 September, 2015 12:06
To: orion565@yahoogroups.com
Subject: Re: [orion565] O2 Master Reset

I was quoted $700 plus for a TT logic board replacement in my one and half year old O2. That was year or two ago. Good luck...

73 John K7FD

On Sep 8, 2015, at 8:44 AM, Marty w4my@... [orion565] <orion565@yahoogroups.com> wrote:

All:

My 3-1/2 year old O2 is going straight to Master Reset when just simply turning the power on.

Thinking it might be a premature CPU battery failure I called TT Service and talked to Paul. He said short of a stuck "Lck" button or low power supply voltage, it will need to be sent in to look at the logic board.

Does anyone else have any ideas? It would really be a drag to have a huge repair bill on a brand new rig I bought less than 4 years ago and been immaculately cared for.

And then, are logic boards still available? I could just leave it powered up 24/7 hi!

73 Marty / W4MY

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

10855. Re: [orion565] O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-08 22:46:47 UTC
From: Wayne Staples
Topic: 10847 Message: 10855

On 09/09/15 01:44, Marty w4my@... [orion565] wrote:
> All:
>
> My 3-1/2 year old O2 is going straight to Master Reset when just simply turning the power on.
>
> Thinking it might be a premature CPU battery failure I called TT Service and talked to Paul. He said short of a stuck "Lck" button or low power supply voltage, it will need to be sent in to look at the logic board.
>
> Does anyone else have any ideas? It would really be a drag to have a huge repair bill on a brand new rig I bought less than 4 years ago and been immaculately cared for.
>
> And then, are logic boards still available? I could just leave it powered up 24/7 hi!
>
> 73 Marty / W4MY
>
> ------------------------------------
> Posted by: Marty <w4my@...>
> ------------------------------------
>
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>
Hi Marty
I agree with Duane get a new battery and install it there is a thousand
reasons for batteries that go flat before time.
Besides you may have purchased your 02 three and a half years ago but
when was the your radio built, so the battery could older than you think.
Cheers Wayne VK4EU

10856. Re: [orion565] O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-09 00:04:27 UTC
From: John
Topic: 10847 Message: 10856

I did better than that; traded it in as-is for an Eagle and couldn't be happier!

John K7FD

> On Sep 8, 2015, at 3:13 PM, 'K Van Horn' k7ec@midrivers.com [orion565] <orion565@yahoogroups.com> wrote:
>
> I hope you snapped it up as the processor is NO LONGER Available!!
> Kirby, k7ec
>
> From: mailto:orion565@yahoogroups.com
> Sent: Tuesday, 8 September, 2015 12:06
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] O2 Master Reset
>
>
> I was quoted $700 plus for a TT logic board replacement in my one and half year old O2. That was year or two ago. Good luck...
>
> 73 John K7FD
>
>> On Sep 8, 2015, at 8:44 AM, Marty w4my@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>>
>> All:
>>
>> My 3-1/2 year old O2 is going straight to Master Reset when just simply turning the power on.
>>
>> Thinking it might be a premature CPU battery failure I called TT Service and talked to Paul. He said short of a stuck "Lck" button or low power supply voltage, it will need to be sent in to look at the logic board.
>>
>> Does anyone else have any ideas? It would really be a drag to have a huge repair bill on a brand new rig I bought less than 4 years ago and been immaculately cared for.
>>
>> And then, are logic boards still available? I could just leave it powered up 24/7 hi!
>>
>> 73 Marty / W4MY
>>
>
>
>
> This email has been checked for viruses by Avast antivirus software.
> www.avast.com

>
>
>

10857. Re: O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-09 11:34:31 UTC
From: pa1ap
Topic: 10847 Message: 10857

Another check you could do;

1. when the orion is working, observe the led light during full power transmit. If it dims during peaks, the voltage to the rig is not sufficient. Could be caused by power supply, supply cable, power connector. If you can adjust the voltage on the power supply turn it down to 12.5 Volts. Never turn it up above 14 Volts though... Does the screen still work or does it blank out?
2. reinsert the power connector a couple of times, to clean its contacts

Follow the sequence above as I have heard many times the power connector was "dirty" and hence poor contact was made. The result was equal to what you describe. It still might be the battery though :-) But you can easily exclude above from potential root cause.

Best regards, Onno

10858. Re: O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-09 13:20:49 UTC
From: ve7tk@...
Topic: 10847 Message: 10858

It may also be low voltage caused by a faulty A9 Power Distribution Board. This is an easy fix!

The Orion II A9 Power Distribution Board Problem and Fix http://www.n6ie.com/A9_Fix.html

http://www.n6ie.com/A9_Fix.html

The Orion II A9 Power Distribution Board Problem... http://www.n6ie.com/A9_Fix.html The Orion II A9 Power Distribution Board Problem and Fix

View on www.n6ie.com http://www.n6ie.com/A9_Fix.html
Preview by Yahoo

Good luck!

73, Rick
VE7TK

10859. Re: O2 Master Reset (A9 Board)

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-09 14:51:34 UTC
From: Paul K.
Topic: 10859 Message: 10859

Speaking of A9 Power Distribution Board repair; I sold some one on this list a refurbished A9 board at a VERY low price on the premise that person would return their defective board to me so I could refurbish it and sell to the next person at a VERY low price. Whom ever it was I helped with the refurbished board has not yet returned their old board to me.

I sold the board several months ago, and would like to get another A9 ready to go for the next person. If you remember buying a refurbished board from me please pack up your old board and send it back so I can refurbish it for the next person.

TNX ... es ... 73 ... de WA0BAG . .
--
Paul K. WA0BAG

10860. Re: O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-09 18:17:14 UTC
From: kc2qma@...
Topic: 10847 Message: 10860

You are right Onno, One of the design weaknesses of many of the late Ten Tec transceivers is the poor 2 pin molex power connector. The new Power Pole connectors found on the eagle are much better.

Molex not designed to handel up to 25 Amps?

10861. RE: [orion565] Re: O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-10 11:23:45 UTC
From: w4my@...
Topic: 10847 Message: 10861

Thanks Onno, I will give this a try. I have ordered a new battery and will put it in when it comes. Ill Let you and everyone know what happens when it comes.

Marty / W4MY
-----Original Message-----
From: "pa1ap pa1ap@nextchallenge.net [orion565]" <orion565@yahoogroups.com>
Sent: Wednesday, September 9, 2015 6:34am
To: orion565@yahoogroups.com
Subject: [orion565] Re: O2 Master Reset

Another check you could do;

when the orion is working, observe the led light during full power transmit. If it dims during peaks, the voltage to the rig is not sufficient. Could be caused by power supply, supply cable, power connector. If you can adjust the voltage on the power supply turn it down to 12.5 Volts. Never turn it up above 14 Volts though... Does the screen still work or does it blank out?
reinsert the power connector a couple of times, to clean its contacts

Follow the sequence above as I have heard many times the power connector was "dirty" and hence poor contact was made. The result was equal to what you describe. It still might be the battery though :-) But you can easily exclude above from potential root cause.
Best regards, Onno

10862. Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-11 00:43:07 UTC
From: pinoleronica@...
Topic: 10840 Message: 10862

Onno, tks for all of your inputs...seems like you are one of the few knowledgeable OM of the subject matter...finding service repairs for Orion, outside TT, is meager to none....

Anyways, the radio is on its way to TenTec service for estimating repairs, etc.

Rafael / NN3RP

10863. Orion 2 problema tx 20mt

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-12 16:33:27 UTC
From: dakkkk@...
Topic: 10863 Message: 10863

Salve. Il Orion 2 dopo circa mezz'ora non trasmette più a piena potenza solo in ssb e fm.
Al Max 10 w power.
Questo succede solo in 20 metri. Atre bande tutto ok?
Chha qualche idea?
Grazie.
73 Davide

10864. V3.033xd issue with NOTCH/SAF?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-12 21:07:36 UTC
From: Jim Warner
Topic: 10864 Message: 10864

Looking for some input from O2's running on 3.033xd

UUT configuration...

with 3.033xd
-goto RX menu
-set "NOTCH Btn main" menu item to SAF
-back out to main display screen
-set mode to SSB or CW
-turn on NOTCH
-set NOTCH to about 3150Hz
-do a 15 second or so cycle power on radio

Observe off air or signal source receive audio on main receiver.
Normal or abnormal?

Anyone else seeing the anomaly, or is this unique to this radio?

If abnormal, power cycling with NOTCH turned OFF restores receive audio
to normal.
As stated earlier, this does not occur with earlier firmware revs on
this UUT.

Repeat with RX menu "NOTCH Btn Main" set to NOTCH.

Comments?

Jim WA9Z

10865. Re: [orion565] Orion 2 problema tx 20mt

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-12 21:58:54 UTC
From: Fabio Liberatori
Topic: 10863 Message: 10865

Il giorno 12/set/2015, alle ore 18:33, dakkkk@... [orion565] ha scritto:

> Salve.
>
> Il Orion 2 dopo circa mezz'ora non trasmette più a piena potenza solo in ssb e fm. Al Max 10 w power.
> Questo succede solo in 20 metri. Atre bande tutto ok?
> Chha qualche idea?
> Grazie.
> 73 Davide

Davide,
you have to write in English on this Forum, thanks.

It sounds like you have a pass-band problem, perhaps a relay fault on the 20 meters band. You can drop a phone call to Carlo Bianconi (http://www.carlobianconi.com/) and eventually give him your radio for servicing.

73, Fabio I0LBE

10866. Re: [orion565] V3.033xd issue with NOTCH/SAF?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-12 22:10:07 UTC
From: Barry N1EU
Topic: 10864 Message: 10866

To the best of my knowledge, this is a known bug on the Orion II and is currently being worked on.

Barry N1EU

On Sat, Sep 12, 2015 at 9:07 PM, Jim Warner jim@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Looking for some input from O2's running on 3.033xd
>
> UUT configuration...
>
> with 3.033xd
> -goto RX menu
> -set "NOTCH Btn main" menu item to SAF
> -back out to main display screen
> -set mode to SSB or CW
> -turn on NOTCH
> -set NOTCH to about 3150Hz
> -do a 15 second or so cycle power on radio
>
> Observe off air or signal source receive audio on main receiver.
> Normal or abnormal?
>
> Anyone else seeing the anomaly, or is this unique to this radio?
>
> If abnormal, power cycling with NOTCH turned OFF restores receive audio
> to normal.
> As stated earlier, this does not occur with earlier firmware revs on
> this UUT.
>
> Repeat with RX menu "NOTCH Btn Main" set to NOTCH.
>
> Comments?
>
> Jim WA9Z
>
>
>

10867. Re: [orion565] Orion 2 problema tx 20mt

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-13 11:28:23 UTC
From: dakkkk@...
Topic: 10863 Message: 10867

Thank you very much Fabio. the radio is already in service by Carlo a week, but I'll point out just the same. With 73 David Iz4tgq

10868. Orion 2 20 mt problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-13 11:30:21 UTC
From: dakkkk@...
Topic: 10868 Message: 10868

Thank you very much Fabio. the radio is already in service by Carlo a week, but I'll point out just the same. With 73 David Iz4tgq

10869. Re: [orion565] Orion 2 20 mt problem

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-13 12:48:52 UTC
From: Fabio Liberatori
Topic: 10868 Message: 10869

Il giorno 13/set/2015, alle ore 13:30, dakkkk@... [orion565] ha scritto:

>
> Thank you very much Fabio. the radio is already in service by Carlo a week, but I'll point out just the same. With 73 David Iz4tgq
>

Great, Davide,
this is a fantastic group and you will find good advices and nice guys, but for now let's wait for Carlo's results, and keep us posted.

Good luck with your Orion, actually the best RTX I ever had...

Fabio I0LBE

10870. RE: [orion565] V3.033xd issue with NOTCH/SAF?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-13 13:03:34 UTC
From: Torrey Mitchell
Topic: 10864 Message: 10870

Jim,

The audio, in this scenario, sounds like the gain is very low and the audio pinched.

However, as I reduce the SAF setting to C:1000 or below, the audio returns to normal.

When the SAF setting is at C:3150 Hz the audio at that frequency is being narrowly peaked. In the SSB male voice waveform, there should be little energy at 3150 Hz. So is this really abnormal?

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Saturday, September 12, 2015 16:08
To: orion565@yahoogroups.com
Subject: [orion565] V3.033xd issue with NOTCH/SAF?

Looking for some input from O2's running on 3.033xd

UUT configuration...

with 3.033xd
-goto RX menu
-set "NOTCH Btn main" menu item to SAF
-back out to main display screen
-set mode to SSB or CW
-turn on NOTCH
-set NOTCH to about 3150Hz
-do a 15 second or so cycle power on radio

Observe off air or signal source receive audio on main receiver.
Normal or abnormal?

Anyone else seeing the anomaly, or is this unique to this radio?

If abnormal, power cycling with NOTCH turned OFF restores receive audio
to normal.
As stated earlier, this does not occur with earlier firmware revs on
this UUT.

Repeat with RX menu "NOTCH Btn Main" set to NOTCH.

Comments?

Jim WA9Z

10871. O2 problem 20 mt tx

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-15 13:14:32 UTC
From: dakkkk@...
Topic: 10871 Message: 10871

O2 withdrew the assistance of Bianconi. the problem remained! help me !!!!!

10872. Re: [orion565] O2 problem 20 mt tx

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-15 19:07:22 UTC
From: Fabio Liberatori
Topic: 10871 Message: 10872

Il giorno 15/set/2015, alle ore 15:14, dakkkk@... [orion565] ha scritto:

>
> O2 withdrew the assistance of Bianconi. the problem remained! help me !!!!!
>
>
>

Ciao Davide,
so Carlo was not able to fix the problem ? What he said about it ?

In any case you have a solution: send the radio to TenTec service in the USA, it is the only thing to do if the local technicians cannot help you so far.
I sent a couple of times my TT radios to them and I ever had a fast and accurate work, it is worth the cost.

Good luck and 73,

Fabio I0LBE

10873. Re: [orion565] O2 problem 20 mt tx

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-15 21:14:23 UTC
From: dakkkk@...
Topic: 10871 Message: 10873

Thanks Fabio. Carlo has turned the radio as a sock and do not know the reason of the defect. What do you think of Appello GMBH in Germany? They are valid? I know that they treat and care equipment TT.

10874. Again....I had to get a new PC and....

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-15 17:56:42 UTC
From: Joe
Topic: 10874 Message: 10874

Onno....
Re OBR 2953...lost my old Backup settings, but found one file that was saved back in June....Orion_Backup_Settings on a flash drive, but I don't know where to put this
so that the program will find it. Running Windows 7 64 Bit Pro.
Joe, KX4JR

10875. Problem with new PC

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-15 18:00:15 UTC
From: Joe
Topic: 10875 Message: 10875

Onno....
Re OBR 2953...lost my old Backup settings, but found one file that was
saved back in June....Orion_Backup_Settings on a flash drive, but I
don't know where to put this
so that the program will find it. Running Windows 7 64 Bit Pro.
Joe, KX4JR

10876. Re: [orion565] O2 Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-18 13:04:57 UTC
From: ebhudgens@...
Topic: 10847 Message: 10876

My O2 crashed 2 weeks ago after working fine that morning. Would not power up fully with backlights flashing. Sent it back to Paul at TT and got it back last night. In addition to replacing the battery they upgraded the power distribution board caps and the software - at least that's all they listed. Thanks for the great service guys.

10877. S- meter orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-09-25 23:34:45 UTC
From: blauchlin@...
Topic: 10877 Message: 10877

The meter jumps full scale make a click it hits hard then goes back to normal does this a few time a day when it just sitting on every thing else seems fine don't ever remember it doing this before the last update ??

10878. Re: S- meter orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-03 19:11:44 UTC
From: jsmith207@att.net
Topic: 10877 Message: 10878

Hi,
Would you provide the firmware version that is currently installed on your Orion?

You can easily see this by pressing and holding the MENU Button. The Orion will then show the Startup Screen which has the firmware version.

When you upgraded to this version of firmware, did you also do a RAM Clear, and a Master Reset?

Would you also sign your reply with your handle and call sign?

Thanks for the additional input.

73..
Howard, WA9AXQ

[Non-text portions of this message have been removed]

10879. S Meter Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-09 09:45:54 UTC
From: vk3tpm@...
Topic: 10879 Message: 10879

Hello to the group,

I have recently had the latest firmware up date REV 3.033XD

and my S meter does not move. It just sits at zero no matter how loud the signal is.

Is there something I am missing. I know I am late to do this update. I had to go back to the Australian Dealer to perform the update as I do not own a IBM PC. All the computers in our home are old iMacs and macbook pros. The iMac I am using is over ten years old and is still working as original. It is the best $3,000 dollars I have spent on a computer ever,

Anyhow, I would like to have my S meter operational.

Can somebody please shed some light on this matter?

Kind regards,

Paul VK3ZT/VK3TPM

10880. Re: S Meter Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-09 10:16:38 UTC
From: dakkkk@...
Topic: 10879 Message: 10880

Hello Paul. go to this link and follow the calibration of your meter s. http://www.rkrdesi
gnsllc.com/static/media/documents/S-Meter_565_566_Calibration_Procedure.pdf http://www.rkr
designsllc.com/static/media/documents/S-Meter_565_566_Calibration_Procedure.pdf . David
Iz4tgq

10881. Re: [orion565] S Meter Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-09 14:03:14 UTC
From: Jim Warner
Topic: 10879 Message: 10881

Do both reset functions. I got caught in this trap, too.
Jim WA9Z

On 10/9/2015 4:45 AM, vk3tpm@... [orion565] wrote:
> Hello to the group,
>
> I have recently had the latest firmware up date REV 3.033XD
>
> and my S meter does not move. It just sits at zero no matter how loud
> the signal is.
>
> Is there something I am missing. I know I am late to do this update. I
> had to go back to the Australian Dealer to perform the update as I do
> not own a IBM PC. All the computers in our home are old iMacs and
> macbook pros. The iMac I am using is over ten years old and is still
> working as original. It is the best $3,000 dollars I have spent on a
> computer ever,
>
> Anyhow, I would like to have my S meter operational.
>
> Can somebody please shed some light on this matter?
>
> Kind regards,
>
> Paul VK3ZT/VK3TPM
>
>

10882. Re: S Meter Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-09 22:08:41 UTC
From: vk3tpm@...
Topic: 10879 Message: 10882

Thank you very much. I would never have found this by myself.

My "Counts" were not even close to the default values though everything appears to be working fine.

Again thank you very much.

Paul VK3TPM

10883. Serial Port down Orion 1 - Repairs by RF Concepts, LLC.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-11 23:25:09 UTC
From: pinoleronica@...
Topic: 10840 Message: 10883

Back in mid September 2015 I sent my venerable Orion I to RF Concepts, LLC. for they could perform the needed repair for the serial COM to work again.

Prior to sending it I did an extensive search for capable radio-tech in the US...Nada....non existent ...So only TT can do their own repairs, well not gud.

Followed some great advice to be performed as tests but definite some occur to serial COM.

It is now mid October and the only communication, when I requested status after they received the unit, was that it might take between 4-5 weeks.

It is the hope that they meet their term and hopefully is not too painful an out-of-pocket ordeal. I will decide what to do when I get it back...but most likely it'll be searching for a new home for it.

Rafael / NN3RP

10884. Re: [orion565] Serial Port down Orion 1 - Repairs by RF Concepts, LLC.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-11 23:37:48 UTC
From: mcelmer1
Topic: 10840 Message: 10884

That standard wait time from an Orion 1 - I went through that ordeal more than 5 (probably more but too lazy to go through the invoices) times with my Orion 1 over the years.

Do not get me wrong - I am not saying 4 - 5 weeks is acceptable.

BTW, your serial port com problem - well, been there. A couple of years ago when Ten-Tec was Ten-Tec, $85/hour + parts.

Mike
W8TRN
----- Original Message -----
From: pinoleronica@... [orion565]
To: orion565@yahoogroups.com
Sent: Sunday, October 11, 2015 17:25
Subject: [orion565] Serial Port down Orion 1 - Repairs by RF Concepts, LLC.

Back in mid September 2015 I sent my venerable Orion I to RF Concepts, LLC. for they could perform the needed repair for the serial COM to work again.

Prior to sending it I did an extensive search for capable radio-tech in the US...Nada....non existent ...So only TT can do their own repairs, well not gud.

Followed some great advice to be performed as tests but definite some occur to serial COM.

It is now mid October and the only communication, when I requested status after they received the unit, was that it might take between 4-5 weeks.

It is the hope that they meet their term and hopefully is not too painful an out-of-pocket ordeal. I will decide what to do when I get it back...but most likely it'll be searching for a new home for it.

Rafael / NN3RP

10885. Re: [orion565] Serial Port down Orion 1 - Repairs by RF Concepts, LLC.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 09:16:34 UTC
From: pinoleronica@...
Topic: 10840 Message: 10885

Mike, your comment is like Aleave pill.

When given the time frame, I only thought the obvious. Either there isn't enough tech staff or lots of sick rigs to handle.

The serial port chip, I learned, is not a peculiar / rare part. But removing / replacing it takes some skill that I was not willing to try myself.

In the meantime, I am now playing with a FTDX3000D.

Rafael / nn3rp

10886. New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 11:57:04 UTC
From: andrewis@...
Topic: 10886 Message: 10886

Hi I'm sorry to join the group and immediately have a problem. My 565 AT arrived on Saturday morning and I have spent the whole weekend trying to get it working properly. At first I was receiving awful audio reports, I have spent ages adjusting my mic & H/W Mic controls and am now being passed as just acceptable from a few locals. I'm using the 8707 mic and my settings are filter bw 3900 LF 150, H/W mg 16.5, TX EQ -10, Mic gain 83, SP3. If I turn the mic gain down further then I'm barely moving the needle and my output drops. My FTDX3000 is apparently sounding a lot better, 59 with a local ham whereas the Orion is 58 or 53 with the mic gain lower.

I could accept the audio but there is another problem. The radio sometimes gives off a terrible noise while tuning through the band, the noise goes away when I press the vfo A tx button. Here is a video

Strange fault https://www.youtube.com/watch?v=iJlea-e1wTU

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View on www.youtube.com https://www.youtube.com/watch?v=iJlea-e1wTU
Preview by Yahoo

I do understand that these are advanced radios that require a bit of knowledge but I am concerned that maybe mine has a fault.

Any advice at all would be greatly appreciated.

Thanks
Andrew
MI0OBR

10887. RE: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 13:14:16 UTC
From: John Hudson
Topic: 10886 Message: 10887

Andrew.. since you just received the radio, I would start all over and do a RAM RESET and a MASTER RESET. Many issues can be resolved with these resets but you'll lose all your setting you have so far so you might want to write them down. Also what version of firmware are you using..and does this radio have the V2 mod? Hold the MENU button for a sec or 2 and the display will show you this info

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, October 12, 2015 6:57 AM
To: orion565@yahoogroups.com
Subject: [orion565] New (to me) Orion 565 At receive fault

Hi I'm sorry to join the group and immediately have a problem. My 565 AT arrived on Saturday morning and I have spent the whole weekend trying to get it working properly. At first I was receiving awful audio reports, I have spent ages adjusting my mic & H/W Mic controls and am now being passed as just acceptable from a few locals. I'm using the 8707 mic and my settings are filter bw 3900 LF 150, H/W mg 16.5, TX EQ -10, Mic gain 83, SP3. If I turn the mic gain down further then I'm barely moving the needle and my output drops. My FTDX3000 is apparently sounding a lot better, 59 with a local ham whereas the Orion is 58 or 53 with the mic gain lower.

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<https://www.youtube.com/watch?v=iJlea-e1wTU> image

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Preview by Yahoo

I do understand that these are advanced radios that require a bit of knowledge but I am concerned that maybe mine has a fault.

Any advice at all would be greatly appreciated.

Thanks

Andrew

MI0OBR

10888. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 13:45:07 UTC
From: Barry N1EU
Topic: 10886 Message: 10888

Welcome Andrew!

As far as the tx audio issue - if you have performed the reset as John described and are still seeing the problem, I'm not sure that your rig isn't operating normally. I've always had a more difficult time getting adequate audio drive on 10M ssb. If you have an external mic preamp, try feeding the mic into that and driving the rear panel Aux I/O line input. Or you could try a higher output microphone into the mic input.

You should try your rig on one of the lower bands (80-20M) and confirm that audio functions properly there.

I have an Orion II and there's a H/W Mic Preamp with Gain setting in the SSB menu but the Orion 565 you have lacks that feature.

As far as I know, the V2 mod is unrelated to these issues and not sure why John asked???

73, Barry N1EU

On Mon, Oct 12, 2015 at 11:57 AM, andrewis@... [orion565] <orion565@yahoogroups.com> wrote:

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> Any advice at all would be greatly appreciated.
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> Andrew
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10889. RE: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 13:51:07 UTC
From: Duane Calvin
Topic: 10886 Message: 10889

OK, it’s been a while since I had my Orion, but isn’t there a pot available from the bottom-front of the Orion that is a master mic gain adjustment, with “fine” gain being done then from the front panel? I can’t remember if it was described in the manual, or here on the reflector. Sorry for the spotty long term memory!

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@ac5aa.com> ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, October 12, 2015 8:45 AM
To: Orion565
Subject: Re: [orion565] New (to me) Orion 565 At receive fault

Welcome Andrew!

As far as the tx audio issue - if you have performed the reset as John described and are still seeing the problem, I'm not sure that your rig isn't operating normally. I've always had a more difficult time getting adequate audio drive on 10M ssb. If you have an external mic preamp, try feeding the mic into that and driving the rear panel Aux I/O line input. Or you could try a higher output microphone into the mic input.

You should try your rig on one of the lower bands (80-20M) and confirm that audio functions properly there.

I have an Orion II and there's a H/W Mic Preamp with Gain setting in the SSB menu but the Orion 565 you have lacks that feature.

As far as I know, the V2 mod is unrelated to these issues and not sure why John asked???

73, Barry N1EU

On Mon, Oct 12, 2015 at 11:57 AM, andrewis@... [orion565] <orion565@yahoogroups.com> wrote:

Hi I'm sorry to join the group and immediately have a problem. My 565 AT arrived on Saturday morning and I have spent the whole weekend trying to get it working properly. At first I was receiving awful audio reports, I have spent ages adjusting my mic & H/W Mic controls and am now being passed as just acceptable from a few locals. I'm using the 8707 mic and my settings are filter bw 3900 LF 150, H/W mg 16.5, TX EQ -10, Mic gain 83, SP3. If I turn the mic gain down further then I'm barely moving the needle and my output drops. My FTDX3000 is apparently sounding a lot better, 59 with a local ham whereas the Orion is 58 or 53 with the mic gain lower.

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Preview by Yahoo

I do understand that these are advanced radios that require a bit of knowledge but I am concerned that maybe mine has a fault.

Any advice at all would be greatly appreciated.

Thanks

Andrew

MI0OBR

10890. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 13:57:56 UTC
From: Barry N1EU
Topic: 10886 Message: 10890

Duane, I think he should check the lower bands first. If he has good audio drive on the lower bands, messing with the pot might not be the best thing to do. If he doesn't have good audio drive on the lower bands, perhaps it would help assuming the mic has reasonable output.

Barry N1EU

On Mon, Oct 12, 2015 at 1:51 PM, 'Duane Calvin' ac5aa1@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> OK, it’s been a while since I had my Orion, but isn’t there a pot
> available from the bottom-front of the Orion that is a master mic gain
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> remember if it was described in the manual, or here on the reflector.
> Sorry for the spotty long term memory!
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>
>
> 73, Duane
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>
> Duane Calvin, AC5AA
>
> Austin, Texas
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> ac5aa@...
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>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Monday, October 12, 2015 8:45 AM
> *To:* Orion565
> *Subject:* Re: [orion565] New (to me) Orion 565 At receive fault
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> As far as I know, the V2 mod is unrelated to these issues and not sure why
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> MI0OBR
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10891. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 14:31:13 UTC
From: andrewis@...
Topic: 10886 Message: 10891

Typing this on my phone so sorry for errors. My radio has latest firmware installed & v2 mod. I did a factory reset but not a ram reset, I will give that a go when I'm back home. I do have the h/w mic gain option in the ssb menu.

Thanks for the advice
Andrew
MI0OBR

10892. RE: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 14:32:45 UTC
From: Duane Calvin
Topic: 10886 Message: 10892

Agreed. Guess I was jumping ahead to the next step in case the mic didn’t have enough gain on lower bands.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@ac5aa.com

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, October 12, 2015 8:58 AM
To: Orion565
Subject: Re: [orion565] New (to me) Orion 565 At receive fault

Duane, I think he should check the lower bands first. If he has good audio drive on the lower bands, messing with the pot might not be the best thing to do. If he doesn't have good audio drive on the lower bands, perhaps it would help assuming the mic has reasonable output.

Barry N1EU

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73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, October 12, 2015 8:45 AM
To: Orion565
Subject: Re: [orion565] New (to me) Orion 565 At receive fault

Welcome Andrew!

As far as the tx audio issue - if you have performed the reset as John described and are still seeing the problem, I'm not sure that your rig isn't operating normally. I've always had a more difficult time getting adequate audio drive on 10M ssb. If you have an external

mic preamp, try feeding the mic into that and driving the rear panel Aux I/O line input. Or you could try a higher output microphone into the mic input.

You should try your rig on one of the lower bands (80-20M) and confirm that audio functions properly there.

I have an Orion II and there's a H/W Mic Preamp with Gain setting in the SSB menu but the Orion 565 you have lacks that feature.

As far as I know, the V2 mod is unrelated to these issues and not sure why John asked???

73, Barry N1EU

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Strange fault <https://www.youtube.com/watch?v=iJlea-e1wTU>

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Preview by Yahoo

I do understand that these are advanced radios that require a bit of knowledge but I am concerned that maybe mine has a fault.

Any advice at all would be greatly appreciated.

Thanks

Andrew

MI0OBR

10893. RE: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 15:49:07 UTC
From: John Hudson
Topic: 10886 Message: 10893

No other reason Barry other than seeing if it’s been updated..

John

KO4XJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, October 12, 2015 8:45 AM
To: Orion565
Subject: Re: [orion565] New (to me) Orion 565 At receive fault

Welcome Andrew!

As far as the tx audio issue - if you have performed the reset as John described and are still seeing the problem, I'm not sure that your rig isn't operating normally. I've always had a more difficult time getting adequate audio drive on 10M ssb. If you have an external mic preamp, try feeding the mic into that and driving the rear panel Aux I/O line input. Or you could try a higher output microphone into the mic input.

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Thanks

Andrew

MI0OBR

10894. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 15:57:09 UTC
From: Barry N1EU
Topic: 10886 Message: 10894

John, if someone isn't interested in using the mediocre, at best, Sweep function, there's no compelling reason to do the mod IMHO. This is especially true if someone isn't confident doing the update themselves.

73, Barry N1EU

On Mon, Oct 12, 2015 at 3:49 PM, 'John Hudson' jd_hudson@... [orion565] <orion565@yahoogroups.com> wrote:

>
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> No other reason Barry other than seeing if it’s been updated..
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> John
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> KO4XJ
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> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Monday, October 12, 2015 8:45 AM
> *To:* Orion565
> *Subject:* Re: [orion565] New (to me) Orion 565 At receive fault
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10895. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 16:27:04 UTC
From: catfishtwo@...
Topic: 10886 Message: 10895

Does it need a new battery? that will cause all kinds of weird stuff

tom N6AJR

In a message dated 10/12/2015 8:57:12 A.M. Pacific Daylight Time,
orion565@yahoogroups.com writes:

John, if someone isn't interested in using the mediocre, at best, Sweep
function, there's no compelling reason to do the mod IMHO. This is
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73, Barry N1EU

On Mon, Oct 12, 2015 at 3:49 PM, 'John Hudson' _jd_hudson@..._
(mailto:jd_hudson@comcast.net) [orion565] <_orion565@yahoogroups.com_
(mailto:orion565@yahoogroups.com) > wrote:

No other reason Barry other than seeing if it’s been updated..
John
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From: _orion565@yahoogroups.com_ (mailto:orion565@yahoogroups.com)
[mailto:_orion565@yahoogroups.com_ (mailto:orion565@yahoogroups.com)]
Sent: Monday, October 12, 2015 8:45 AM
To: Orion565
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described and are still seeing the problem, I'm not sure that your rig isn't
operating normally. I've always had a more difficult time getting adequate
audio drive on 10M ssb. If you have an external mic preamp, try feeding
the mic into that and driving the rear panel Aux I/O line input. Or you
could try a higher output microphone into the mic input.

You should try your rig on one of the lower bands (80-20M) and confirm
that audio functions properly there.

I have an Orion II and there's a H/W Mic Preamp with Gain setting in the
SSB menu but the Orion 565 you have lacks that feature.

As far as I know, the V2 mod is unrelated to these issues and not sure why
John asked???

73, Barry N1EU

On Mon, Oct 12, 2015 at 11:57 AM, _andrewis@..._
(mailto:andrewis@...) [orion565] <_orion565@yahoogroups.com_
(mailto:orion565@yahoogroups.com) > wrote:

Hi I'm sorry to join the group and immediately have a problem. My 565 AT
arrived on Saturday morning and I have spent the whole weekend trying to
get it working properly. At first I was receiving awful audio reports, I
have spent ages adjusting my mic & H/W Mic controls and am now being passed as
just acceptable from a few locals. I'm using the 8707 mic and my settings
are filter bw 3900 LF 150, H/W mg 16.5, TX EQ -10, Mic gain 83, SP3. If I
turn the mic gain down further then I'm barely moving the needle and my
output drops. My FTDX3000 is apparently sounding a lot better, 59 with a
local ham whereas the Orion is 58 or 53 with the mic gain lower.
I could accept the audio but there is another problem. The radio
sometimes gives off a terrible noise while tuning through the band, the noise goes
away when I press the vfo A tx button. Here is a video
Strange fault (https://www.youtube.com/watch?v=iJlea-e1wTU)

(https://www.youtube.com/watch?v=iJlea-e1wTU)

_Strange fault _ (https://www.youtube.com/watch?v=iJlea-e1wTU)

This feature is not available right now. Please try again later.

_View on www.youtube.com _ (https://www.youtube.com/watch?v=iJlea-e1wTU)

Preview by Yahoo

I do understand that these are advanced radios that require a bit of
knowledge but I am concerned that maybe mine has a fault.
Any advice at all would be greatly appreciated.
Thanks
Andrew
MI0OBR

10896. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-12 19:26:01 UTC
From: andrewis@...
Topic: 10886 Message: 10896

version 3.032x7b Mar 18 2015, 10:29:29
DSP 2.09b6
V2 mod confirmed

I have had a few contacts tonight on 40m with 59 reports but the bands are very noisy. There is no sign that the battery is going flat, could this really be the reason for the tuning noise? I have reset the ram and full factory reset but still have the annoying noise while tuning through the band which goes away when I turn off the TX on the front panel. I had thought that the receiver in the Orion would be better than the FTDX3000, I only need one radio & was planning to sell the 3000 but at the moment I'm not so sure.

Thanks again
Andrew
MI0OBR

10897. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-13 01:23:35 UTC
From: pinoleronica@...
Topic: 10886 Message: 10897

I've just bought a brand new ftdx3000d and I am having a blast with it....audio TX and RX is amazing on this rig....I added the CW filter 300 Hz and soon to get voice module....there is a lot of menu things to settle but after that is done man what joy! Don't get rid of your FTDX you might hate yourself if you do....see if you can find / troubleshoot your O565...mine is at the TT shop for a fix....

I will definetely sell Orion I after is back from the shop...guarantee must tell you, Andrew. Just like you, I only need one rig...and I have several radios....I am sure there will be some passionate TTec willing to be owners of the TT Orion I...

Rafael / NN3RP

10898. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-13 09:23:59 UTC
From: Barry N1EU
Topic: 10886 Message: 10898

OT question: has anybody compared the cw performance (smooth fast break-in, etc) of the FTDX3000 and the TS590SG? If I absolutely had to replace an Orion with a YaeComWood, I think I would lean more to the TS590SG. But I wouldn't replace the Orion.

73, Barry N1EU

On Tue, Oct 13, 2015 at 1:23 AM, pinoleronica@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I've just bought a brand new ftdx3000d and I am having a blast with
> it....audio TX and RX is amazing on this rig....I added the CW filter 300
> Hz and soon to get voice module....there is a lot of menu things to settle
> but after that is done man what joy! Don't get rid of your FTDX you might
> hate yourself if you do....see if you can find / troubleshoot your
> O565...mine is at the TT shop for a fix....
>
> I will definetely sell Orion I after is back from the shop...guarantee
> must tell you, Andrew. Just like you, I only need one rig...and I have
> several radios....I am sure there will be some passionate TTec willing to
> be owners of the TT Orion I...
>
> Rafael / NN3RP
>
>
>

10899. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-13 11:46:02 UTC
From: andrewis@...
Topic: 10886 Message: 10899

OK I still have no idea about the interference noise I'm getting while turning the VFO. Sometimes its fine then other times I have to turn off the TX and the Sub RX to make it stop. Should I buy a lead and update the firmware again? I have had an offer of help from a local amateur to copy their settings so that might help, but I am worried that the radio is faulty. Here is a video of the 3000 vs the Orion on 80m

Ftdx3000 vs Tentec Orion on 80m https://www.youtube.com/watch?v=pEB4NkJgWN0

https://www.youtube.com/watch?v=pEB4NkJgWN0

Ftdx3000 vs Tentec Orion on 80m https://www.youtube.com/watch?v=pEB4NkJgWN0 Playing with tentec orion trying to find out why the 3000 sounds so much better.

View on www.youtube.com https://www.youtube.com/watch?v=pEB4NkJgWN0
Preview by Yahoo

Regards
Andrew
MI0OBR

10900. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-13 12:09:21 UTC
From: Barry N1EU
Topic: 10886 Message: 10900

I really hesitate to render an opinion based on a video, and I could be wrong, but I think the radio is faulty (especially looking at the s-meter action and assuming the noise heard in the Orion is not present in the Yaesu with NB/NR turned off).

(fyi, to adjust the washed out screen appearance, change the LCD Contrast setting.

Barry N1EU

On Tue, Oct 13, 2015 at 7:46 AM, andrewis@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> OK I still have no idea about the interference noise I'm getting while
> turning the VFO. Sometimes its fine then other times I have to turn off
> the TX and the Sub RX to make it stop. Should I buy a lead and update the
> firmware again? I have had an offer of help from a local amateur to copy
> their settings so that might help, but I am worried that the radio is
> faulty. Here is a video of the 3000 vs the Orion on 80m
>
> Ftdx3000 vs Tentec Orion on 80m
> <https://www.youtube.com/watch?v=pEB4NkJgWN0>
> [image: image] <https://www.youtube.com/watch?v=pEB4NkJgWN0>
> Ftdx3000 vs Tentec Orion on 80m
> <https://www.youtube.com/watch?v=pEB4NkJgWN0>
> Playing with tentec orion trying to find out why the 3000 sounds so much
> better.
> View on www.youtube.com <https://www.youtube.com/watch?v=pEB4NkJgWN0>
> Preview by Yahoo
>
>
> Regards
> Andrew
> MI0OBR
>
>
>

10901. Fw: new message

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-13 19:16:59 UTC
From: <on5gq@...>
Topic: 10901 Message: 10901

Hello!

New message, please read <http://wsleadership.org/piece.php?6l>

on5gq@...

10902. RE: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-14 00:29:53 UTC
From: Lee Parsons
Topic: 10886 Message: 10902

I had an interference problem with mine once. I was ready to throw it in the dumpster. It was a power cord for my laptop.

I notice you didn't have the sweep on. If it is an interference problem you will see it there..

You also keep your bandwidth open more than usual, 2.6-2.8. Also you make a lot of adjustments quickly without seeing the real results.

Granted I live in the country with no noise so maybe I'm just full of it. Hi Hi.

I would do a reset to factory defaults and work from there. It does sound like some interference. When it happened to me I was the only one having the problem (5 other rigs at field day). Once I found it I had the only quiet receiver.

Try turning on your sweep and see how wide the lines are. If they are wide start looking at power cords and the like.

A lot of your settings were different from mine but that doesn't mean you are wrong.

This isn't much but I would look for the simple stuff first. I bought my Orion used and I love it. I've had it for three years. The only time I heard it sound like yours was when I had it set wrong.

Hope you get it fixed, Lee N3LPJ

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, October 13, 2015 8:09 AM
To: Orion565
Subject: Re: [orion565] New (to me) Orion 565 At receive fault

I really hesitate to render an opinion based on a video, and I could be wrong, but I think the radio is faulty (especially looking at the s-meter action and assuming the noise heard in the Orion is not present in the Yaesu with NB/NR turned off).

(fyi, to adjust the washed out screen appearance, change the LCD Contrast setting.

Barry N1EU

On Tue, Oct 13, 2015 at 7:46 AM, andrewis@... [orion565] <orion565@yahoogroups.com> wrote:

OK I still have no idea about the interference noise I'm getting while turning the VFO. Sometimes its fine then other times I have to turn off the TX and the Sub RX to make it stop. Should I buy a lead and update the firmware again? I have had an offer of help from a local amateur to copy their settings so that might help, but I am worried that the radio is faulty. Here is a video of the 3000 vs the Orion on 80m

Ftdx3000 vs Tentec Orion on 80m <https://www.youtube.com/watch?v=pEB4NkJgWN0>

<https://www.youtube.com/watch?v=pEB4NkJgWN0> image

<https://www.youtube.com/watch?v=pEB4NkJgWN0> Ftdx3000 vs Tentec Orion on 80m

Playing with tentec orion trying to find out why the 3000 sounds so much better.

<https://www.youtube.com/watch?v=pEB4NkJgWN0> View on www.youtube.com

Preview by Yahoo

Regards

Andrew

MI0OBR

10903. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-14 08:41:48 UTC
From: pa1ap
Topic: 10886 Message: 10903

Hi Andrew,

Well something is wrong with the Orion audio. It certainly should not sound that bad.

Some steps you could try;

1. perform master reset, memory reset... after this, any change to audio?
2. what is the firmware version? did you have any issues with upgrading? did you upgrade while "check" was disabled?
3. are you using remote control? If so, what program you are using? Disconnect the cable, power cycle the orion and confirm if the problem still occurs
4. switch on / off auto notch, does the sound change?
5. switch on / off manual notch, does the sound change?
6. if you listen through headphone, is the sound the same "quality"
7. I could not see the filter settings clearly but switch off all xtal filter and set bandwidth to auto, changing bandwidth after that, does the sound quality change?

Curious what you find!

Best regards, Onno pa1ap

10904. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-14 10:51:58 UTC
From: andrewis@...
Topic: 10886 Message: 10904

OK I changed the battery as suggested earlier, performed master reset and memory reset. The firmware version is 3.032x7b, I have no idea how the firmware was upgraded, I have yet to buy a lead to attach to my pc and the firmware was on the radio when I got it. No remote control. Not sure if the auto notch is doing anything much, the manual notch does change the sound. The NB doesn't seem to do anything even on the HW setting. No stereo headphones, I worried about using my Kenwood HS-5 headphones as I have heard they may damage the radio. Embarrassed to say but not sure how to set bandwidth to auto. I have my xtail filter on auto.

I was on an 80m net this morning and I got really good audio reports! I switched between my 3000 & the Orion and it was hard to pick one radio over the other. I am delighted that something seems to have changed, I do fully accept that the radio could be working properly and that my own lack of knowledge could be the problem.

The noise I get while turning the VFO on 20M - 10M is still there unless I switch off both the SUB RX and VFO TX.

I have taken another video showing the menus etc & am uploading it now but it takes ages. I am starting to love the radio.

Thanks for the help so far and sorry again for bombarding the group with my problems.

Andrew
MI0OBR

10905. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-14 11:53:41 UTC
From: andrewis@...
Topic: 10886 Message: 10905

https://www.youtube.com/watch?v=bW4sxl3LDc0 https://www.youtube.com/watch?v=bW4sxl3LDc0

10906. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-14 12:14:34 UTC
From: Barry N1EU
Topic: 10886 Message: 10906

Change your Audio - Spkr menu setting to "Main"

Barry N1EU

On Wed, Oct 14, 2015 at 7:53 AM, andrewis@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> https://www.youtube.com/watch?v=bW4sxl3LDc0
>
>

10907. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-14 12:24:23 UTC
From: Barry N1EU
Topic: 10886 Message: 10907

Until this is totally sorted out, please turn off (and leave off) NB DSP, NB Hardware, NR, and notch filters. Also, leave Filter Taps on 199.

I'd actually like you to change the Other - SMeter Mode setting to Signal instead of AGC Level. We really should be seeing a wider range of needle motion on the S meter.

Barry N1EU

On Wed, Oct 14, 2015 at 8:14 AM, Barry N1EU <barry.n1eu@...> wrote:

> Change your Audio - Spkr menu setting to "Main"
>
> Barry N1EU
>
> On Wed, Oct 14, 2015 at 7:53 AM, andrewis@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> https://www.youtube.com/watch?v=bW4sxl3LDc0
>>
>>
>
>

10908. RE: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-14 13:24:31 UTC
From: Duane Calvin
Topic: 10886 Message: 10908

Here’s a crazy thought – do you have the external fan on the PA heat sink? Is it plugged into the +12V jack in the back? Try pulling that plug to see if it makes any difference. In fact, if you have anything plugged into that jack, pull it temporarily. I found if I had both the fan and the pilot light in the TT 238 tuner plugged into that connector I got a real racket on 10m above the first 500 KHz of the band. CW/RTTY area was clean, but it got “dirty” as I tuned up toward the SSB portion of the band. I know – crazy, but your video reminded me of this.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Wednesday, October 14, 2015 6:54 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: New (to me) Orion 565 At receive fault

https://www.youtube.com/watch?v=bW4sxl3LDc0

10909. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-14 19:23:45 UTC
From: Fernando
Topic: 10886 Message: 10909

I would also turn off the PreAmp and set the RF gain lower to about

70 or so.

Fernando N2FQ/6
n2fq@...

> On Oct 14, 2015, at 4:53 AM, andrewis@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> https://www.youtube.com/watch?v=bW4sxl3LDc0
<https://www.youtube.com/watch?v=bW4sxl3LDc0>
>
>

10910. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-14 19:57:10 UTC
From: Barry N1EU
Topic: 10886 Message: 10910

No, don't turn off the preamp. The only reason to ever turn off the Orion preamp is if you're dealing with s9++ signals and the hardware AGC is kicking in to protect the ADC.

Keeping the preamp on results in a higher bit order digital signal out of the ADC. It's explained in part here: http://www.tentecwiki.org/doku.php?id=565_566_588_rf_af_gain

73, Barry N1EU

On Wed, Oct 14, 2015 at 7:23 PM, Fernando n2fq@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I would also turn off the PreAmp and set the RF gain lower to about
>
> 70 or so.
>
>
> Fernando N2FQ/6
> n2fq@sbcglobal.net
>
>
>
>
> On Oct 14, 2015, at 4:53 AM, andrewis@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
>
>
> https://www.youtube.com/watch?v=bW4sxl3LDc0
>
>
>
>

10911. Orion repair

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 11:05:47 UTC
From: amfone
Topic: 10911 Message: 10911

I just looked on the website of the firm that purchased TT and Alpha no information about repairing the Orion. Is this true, anyone have any input about this?
ThanksTimWB8UHZ

10912. Re: [orion565] Orion repair

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 11:12:04 UTC
From: Barry N1EU
Topic: 10911 Message: 10912

Tim, have you tried calling them on the phone and asking? I'm sure they're repairing Orions.

73, Barry N1EU

On Thu, Oct 15, 2015 at 7:05 AM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I just looked on the website of the firm that purchased TT and Alpha no
> information about repairing the Orion. Is this true, anyone have any input
> about this?
>
> Thanks
> Tim
> WB8UHZ
>
>
>

10913. Re: [orion565] Orion repair

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 11:59:11 UTC
From: ebhudgens@...
Topic: 10911 Message: 10913

I called and sent in my O2 about a month ago. Turn around was very quick and the cost was reasonable. While they had it they updated several components to bring it up to the last units sold.

10914. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 12:00:43 UTC
From: ebhudgens@...
Topic: 10886 Message: 10914

I rarely use my preamp except on 12M sometimes. I also keep the rfgain at 65 or lower.

10915. Re: [orion565] Orion repair

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 12:03:50 UTC
From: Barry N1EU
Topic: 10911 Message: 10915

Could you please tell us what components they updated?

Thanks & 73,
Barry N1EU

On Thu, Oct 15, 2015 at 7:59 AM, ebhudgens@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> I called and sent in my O2 about a month ago. Turn around was very quick
> and the cost was reasonable. While they had it they updated several
> components to bring it up to the last units sold.
>
>

10916. Re: [orion565] New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 12:16:52 UTC
From: Barry N1EU
Topic: 10886 Message: 10916

If you want to optimally configure your Orion receiver, leave the preamp ON.

Barry N1EU

On Thu, Oct 15, 2015 at 8:00 AM, ebhudgens@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> I rarely use my preamp except on 12M sometimes. I also keep the rfgain at
> 65 or lower.
>
>

10917. Re: [orion565] Orion repair

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 14:04:04 UTC
From: amfone
Topic: 10911 Message: 10917

Hey great news.
Tim

On Thursday, October 15, 2015 12:03 PM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:

Could you please tell us what components they updated?
Thanks & 73,Barry N1EU
On Thu, Oct 15, 2015 at 7:59 AM, ebhudgens@... [orion565] <orion565@yahoogroups.com> wrote:

I called and sent in my O2 about a month ago. Turn around was very quick and the cost was reasonable. While they had it they updated several components to bring it up to the last units sold.

10918. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 17:04:52 UTC
From: andrewis@...
Topic: 10886 Message: 10918

OK I can now do a full reset and immediately get the rasping noise regardless of turning off the Sub RX and VFO TX. I have the speaker set to main, nb, nr, notch, an, all off . The noise isn't there on 160,80,40 & 30 but is on 20,17,15,12,10. I have just noticed that the noise can also be made by turning the MULTI control in the SSB and Filter menu's but NOT in any other menus. If I'm in the SSB menu and turn the Aux input gain down then I get the noise while rotating the multi control, even after I reach zero the noise continues, this is the same for all other options in the SSB and filter menus. I have ordered a cable to connect to my PC but I should probably now be looking for somewhere to send the radio for repair. I take it this is an unusual fault?

Thanks
Andrew
MI0OBR

10919. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 17:23:40 UTC
From: Barry N1EU
Topic: 10886 Message: 10919

Yes, I've never heard of it. But the Orion is prone to intermittent connectivity on the encoder lines. I would open it up, check that all encoder connections and grounding are secure, and apply the silver conductive grease fix while I was in there. There's a link to it on the wiki page at http://www.tentecwiki.org/doku.php?id=565

That being said, I'm not sure this would fix your problem.

You might want to post a description of the problem etc to the main Ten-Tec reflector: http://lists.contesting.com/mailman/listinfo/tentec

73/GL,
Barry N1EU

On Thu, Oct 15, 2015 at 1:04 PM, andrewis@live.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> OK I can now do a full reset and immediately get the rasping noise
> regardless of turning off the Sub RX and VFO TX. I have the speaker set to
> main, nb, nr, notch, an, all off . The noise isn't there on 160,80,40 & 30
> but is on 20,17,15,12,10. I have just noticed that the noise can also be
> made by turning the MULTI control in the SSB and Filter menu's but NOT in
> any other menus. If I'm in the SSB menu and turn the Aux input gain down
> then I get the noise while rotating the multi control, even after I reach
> zero the noise continues, this is the same for all other options in the SSB
> and filter menus. I have ordered a cable to connect to my PC but I should
> probably now be looking for somewhere to send the radio for repair. I take
> it this is an unusual fault?
>
> Thanks
> Andrew
> MI0OBR
>
>
>

10920. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 18:44:06 UTC
From: Paul K.
Topic: 10886 Message: 10920

On Thu, Oct 15, 2015 at 1:04 PM, andrewis@... [orion565]
<orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:

OK I can now do a full reset and immediately get the rasping noise
regardless of turning off the Sub RX and VFO TX. I have the speaker set
to main, nb, nr, notch, an, all off . The noise isn't there on
160,80,40 & 30 but is on 20,17,15,12,10. I have just noticed that the
noise can also be made by turning the MULTI control in the SSB and
Filter menu's but NOT in any other menus. If I'm in the SSB menu and
turn the Aux input gain down then I get the noise while rotating the
multi control, even after I reach zero the noise continues, this is the
same for all other options in the SSB and filter menus. I have ordered
a cable to connect to my PC but I should probably now be looking for
somewhere to send the radio for repair. I take it this is an unusual fault?

Thanks
Andrew
MI0OBR

Andrew
I'm late to this thread. Have you had a conversation with Paul Clinton
at Ten Tec Service about this? I know you are in Ireland and there is a
5 hour time difference, but after doing the fixes the folks have
suggested on this group, a call may be worth the effort. Here is a
phone number for the shop in Sevierville, Tennessee. 865-453-7172/2 or
you may email them, service@... Their hours are 8:00AM
EDST(1300UTC) to 4:00PM EDST (2100UTC)

Good luck es 73
--
Paul K. WA0BAG
hglent@...

10921. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 19:55:31 UTC
From: andrewis@...
Topic: 10886 Message: 10921

Thanks, I will send off an email later to the service dept. I mentioned earlier that I had replaced the battery, after a quick Google I now realise that that was not battery talked about, but a 3v 2032 for something else

Video showing the MULTI control noise..

https://www.youtube.com/watch?v=51aqPV-iTl4 https://www.youtube.com/watch?v=51aqPV-iTl4

10922. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 19:58:51 UTC
From: andrewis@...
Topic: 10886 Message: 10922

OK I was a bit silly earlier, the battery I replaced was the 2032 underneath, not the yellow battery from TenTec. There is a local Ham who could take a look at the radio for me, apparently he's never had a faulty Orion before! (so not familiar).

Here is a video of the MULTI control noise.

https://www.youtube.com/watch?v=51aqPV-iTl4 https://www.youtube.com/watch?v=51aqPV-iTl4

10923. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 20:02:01 UTC
From: Barry N1EU
Topic: 10886 Message: 10923

Did the previous owner have the issue?

On Thu, Oct 15, 2015 at 7:58 PM, andrewis@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> OK I was a bit silly earlier, the battery I replaced was the 2032
> underneath, not the yellow battery from TenTec. There is a local Ham who
> could take a look at the radio for me, apparently he's never had a faulty
> Orion before! (so not familiar).
>
> Here is a video of the MULTI control noise.
>
> https://www.youtube.com/watch?v=51aqPV-iTl4
>
>
>

10924. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 21:08:53 UTC
From: andrewis@...
Topic: 10886 Message: 10924

Apparently not. He said the radio is perfect.

Andrew

10925. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 21:15:34 UTC
From: Barry N1EU
Topic: 10886 Message: 10925

If he's fairly local, bring it back to his shack and have him hook it up
and see if it does the same thing.

Barry N1EU

On Thu, Oct 15, 2015 at 9:08 PM, andrewis@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Apparently not. He said the radio is perfect.
>
> Andrew
>
>

10926. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-15 22:03:16 UTC
From: andrewis@...
Topic: 10886 Message: 10926

Sadly the radio was posted from Wales, sold as fully working. I know he will deny selling me a faulty radio, maybe it was working when it left him. He's on an 80m net every morning, maybe I'll call in and ask him to view my YouTube video?

I haven't given up hope yet.
Andrew

10927. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-16 12:42:51 UTC
From: pa1ap@...
Topic: 10886 Message: 10927

2032 beneath? Thats a modification which is not original. Maybe that is causing the issues you are seeing. Maybe the wires cause rfi of some kind... I would strongly recommend to remove that modification and put it back to original. So put in original backup battery. They are just $10 and should not be to hard to find.

10928. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-16 12:47:50 UTC
From: pa1ap@...
Topic: 10886 Message: 10928

Ok if not shared already but I suspect the previous owner has turned down the mic pot meter. This is accessible just under the front panel. If that mic pot is turned down then all the mic gains wont make much difference. With a normal mic and this hw mic gain set to max, there is often no need to turn up the software based hardware gain and you can keep that at 0dB... mic gain through menu somewhere around 80 would do just fine.... regards, Onno pa1ap

10929. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-16 13:05:40 UTC
From: pa1ap@...
Topic: 10886 Message: 10929

if you connect a dummy load. Does the interference still occur? I suggest we find out of the noise is external or internally generated. A dummy load could help in that case.

Overall the following steps could be useful;

connect dummy load and see if the issue occurs or not ensure the speaker audio is not set to both but to main or sub check if the sub received has the same interference check the mic potentiometer and if it is actually not defective... sometimes people push to hard with the screwdriver and break it. update the dc-dc convertor board with new capacitors. This will cure the display pixel ghosts as well ensure the components are offered clean dc voltage remove that 2032 hardware hack and install the original battery replacement. This could very well be the main root cause for the interference normal TX audio can be achieved with default settings. Nothing should be set to extreme values. Please note that you could also have RFI feedback causing the ALC to kick in even before you achieved max ouput. But I suggest to fix RX first.. Hope this helps,

Onno pa1ap

10930. RE: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-16 13:08:40 UTC
From: Duane Calvin
Topic: 10886 Message: 10930

I agree with Onno on this one – this is a suspicious alteration.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, October 16, 2015 7:43 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: New (to me) Orion 565 At receive fault

2032 beneath? Thats a modification which is not original. Maybe that is causing the issues you are seeing. Maybe the wires cause rfi of some kind... I would strongly recommend to remove that modification and put it back to original. So put in original backup battery. They are just $10 and should not be to hard to find.

10931. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-16 23:25:10 UTC
From: chasnels@...
Topic: 10886 Message: 10931

It may have been the memory backup battery on the antenna tuner board.

10932. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-17 09:42:26 UTC
From: pa1ap@...
Topic: 10886 Message: 10932

aha. never realized that the antenna tuner had a battery? Thanks for sharing. I do know different antenna tuners were shipped, perhaps not all of them have a battery. O well, if its indeed the tuner battery then my suggestion regarding removing the "hack" is not correct. Sorry about that! But in case there are some funny wires dangling inside / outside the logic board with a 2032 attached to it, different story.

I sure hope the problems can be resolved. Best regards, Onno pa1ap

10933. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-17 09:55:08 UTC
From: Barry N1EU
Topic: 10886 Message: 10933

If you had a 302R remote tuning encoder, you could tune with that and see if the noise problem disappears. It might help isolate the cause of that tuning noise.

Barry N1EU

On Sat, Oct 17, 2015 at 9:42 AM, pa1ap@nextchallenge.net [orion565] <orion565@yahoogroups.com> wrote:

>
>
> aha. never realized that the antenna tuner had a battery? Thanks for
> sharing. I do know different antenna tuners were shipped, perhaps not all
> of them have a battery. O well, if its indeed the tuner battery then my
> suggestion regarding removing the "hack" is not correct. Sorry about that!
> But in case there are some funny wires dangling inside / outside the logic
> board with a 2032 attached to it, different story.
>
> I sure hope the problems can be resolved. Best regards, Onno pa1ap
>
>

10934. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-17 10:07:39 UTC
From: Duane Calvin
Topic: 10886 Message: 10934

To my knowledge, the standard 565 ATU unit did not have either a battery or any memory.

73, Duane

Duane Calvin
Sent from my iPhone

> On Oct 17, 2015, at 4:42 AM, pa1ap@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> aha. never realized that the antenna tuner had a battery? Thanks for sharing. I do know different antenna tuners were shipped, perhaps not all of them have a battery. O well, if its indeed the tuner battery then my suggestion regarding removing the "hack" is not correct. Sorry about that! But in case there are some funny wires dangling inside / outside the logic board with a 2032 attached to it, different story.
>
> I sure hope the problems can be resolved. Best regards, Onno pa1ap
>
>

10935. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-17 14:35:28 UTC
From: Wayne Staples
Topic: 10886 Message: 10935

Hi all the 565 had two tuners early rigs had a no memory tuner the later production had a memory tuner, none of the tuners had battery backup.

On the noise when operating the encoder (vfo) try connecting the rig to a computer and operate the the radio via Ham Radio Deluxe or some other rig control software and check for the noise. Have owned a orion 1 since 2008 version 2 hardware mod version 3 firmware and it is one of the best transceivers made, in my opinion.

73 Wayne VK4EU

On 17/10/15 19:55, Barry N1EU barry.n1eu@... [orion565] wrote:
>
>
> If you had a 302R remote tuning encoder, you could tune with that and
> see if the noise problem disappears. It might help isolate the cause
> of that tuning noise.
>
> Barry N1EU
>
> On Sat, Oct 17, 2015 at 9:42 AM, pa1ap@...
> <mailto:pa1ap@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> aha. never realized that the antenna tuner had a battery? Thanks
> for sharing. I do know different antenna tuners were shipped,
> perhaps not all of them have a battery. O well, if its indeed the
> tuner battery then my suggestion regarding removing the "hack" is
> not correct. Sorry about that! But in case there are some funny
> wires dangling inside / outside the logic board with a 2032
> attached to it, different story.
>
> I sure hope the problems can be resolved. Best regards, Onno pa1ap
>
>
>
>
>

10936. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-17 16:45:42 UTC
From: jd_hudson@comcast.net
Topic: 10936 Message: 10936
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

10937. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-17 16:58:23 UTC
From: Mike Pagel, K9UW
Topic: 10886 Message: 10937

Just watched the video and am trying to determine what that noise is....

My 565 makes a popping noise when the digits change in the tuning display and the popping noise is produced whether the frequency is changed with the encoder OR via computer control (Commander), but this noise is present ONLY WHEN THE RECEIVE ANTENNA BUTTON IS ACTIVE for the main receiver. The noise is not present when tuning the sub-receiver.

My 566 does NOT exhibit the same problem when configured the same way.

Not sure if this is a clue or not. My 565/AT is running the latest firmware.

If you tune SLOWLY, do you get a bit of a noise burst as the digits change?

73, de Mike, K9UW
Amherst, WI

From: mailto:orion565@yahoogroups.com
Sent: Saturday, October 17, 2015 9:35 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: New (to me) Orion 565 At receive fault

Hi all the 565 had two tuners early rigs had a no memory tuner the later production had a memory tuner, none of the tuners had battery backup.

On the noise when operating the encoder (vfo) try connecting the rig to a computer and operate the the radio via Ham Radio Deluxe or some other rig control software and check for the noise. Have owned a orion 1 since 2008 version 2 hardware mod version 3 firmware and it is one of the best transceivers made, in my opinion.

73 Wayne VK4EU

On 17/10/15 19:55, Barry N1EU barry.n1eu@... [orion565] wrote:

If you had a 302R remote tuning encoder, you could tune with that and see if the noise problem disappears. It might help isolate the cause of that tuning noise.

Barry N1EU

On Sat, Oct 17, 2015 at 9:42 AM, pa1ap@nextchallenge.net [orion565] <orion565@yahoogroups.com> wrote:

aha. never realized that the antenna tuner had a battery? Thanks for sharing. I do know different antenna tuners were shipped, perhaps not all of them have a battery. O well, if its indeed the tuner battery then my suggestion regarding removing the "hack" is not correct. Sorry about that! But in case there are some funny wires dangling inside / outside the logic board with a 2032 attached to it, different story.

I sure hope the problems can be resolved. Best regards, Onno pa1ap

10938. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-17 23:06:27 UTC
From: chasnels@...
Topic: 10886 Message: 10938

Sorry for the confusion, guys. My 565 doesn't have a tuner. I was going by the photos in the AT566K tuner kit manual that show a coin-type battery. I assumed it was for memory backup.

10939. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-20 09:43:22 UTC
From: andrewis@...
Topic: 10886 Message: 10939

Yes, I get a click at each digit being changed even slowly and also when I turn the MULTI control in the SSB and Filter menus, but the problem is intermittent, I have had the radio on the the last hour and I can't get it to make the noise at all. I'm thinking that maybe having the capacitors and the battery replaced might fix the problem. No joy from TenTec yet other than telling me to reset the radio.

Andrew

10940. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-20 11:03:36 UTC
From: andrewis@...
Topic: 10886 Message: 10940

And now after leaving the radio switched on for a few hours the noise is back again, even with the antenna unplugged.

Andrew

10941. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-20 11:25:23 UTC
From: Barry N1EU
Topic: 10886 Message: 10941

I think replacing the capacitors on the A9 board and replacing the battery
are good ideas (for any Orion that hasn't had this done).

http://www.tentecwiki.org/doku.php?id=565pwrdistfail
<goog_2134244251>
http://www.tentecwiki.org/doku.php?id=565battery

73, Barry N1EU

On Tue, Oct 20, 2015 at 5:43 AM, andrewis@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Yes, I get a click at each digit being changed even slowly and also when I
> turn the MULTI control in the SSB and Filter menus, but the problem is
> intermittent, I have had the radio on the the last hour and I can't get it
> to make the noise at all. I'm thinking that maybe having the capacitors
> and the battery replaced might fix the problem. No joy from TenTec yet
> other than telling me to reset the radio.
>
> Andrew
>
>
>

10942. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-21 10:36:04 UTC
From: andrewis@...
Topic: 10886 Message: 10942

I have contacted the man I bought the radio off & he says he will pay for repair, he assures me it worked when it left him so I feel bad about running up any cost. I can go ahead and have the capacitors and battery replaced locally and if that doesn't fix it then have the radio sent off to a dealer in England. Sent an email off to TenTec asking how to purchase the batery earlier.

Fingers crossed
Andrew
MI0OBR

10943. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-21 13:05:19 UTC
From: Robert Glover
Topic: 10886 Message: 10943

I have an Orion II which need a battery. I contacted an English dealer, who could not tell me which battery I needed or supply one.

From this group I found that there are two sizes of battery, but both have been fitted to the Orion II at different production times. I found the type and, as they were not costly, I bought both. I my case both have the same pin spacing, so I installed the higher capacity one.

These batteries are more than they seem. As well as the battery there is a timing crystal built in with it. Apparently this is so that the crystal does not get too hot as it is never soldered. The socket too is special.

The thing is like a DIL chip except for colour. The old one and the two new ones are all yellow. It is vitally important that it is fitted the correct way round. There is a notch on the holder, which engages with a bar on the battery. I marked the board and the one I removed, then matched this to the new battery pin out. Do not let old and new pins connect! The larger capacity battery is the same foot print as the old one, but a bit taller. There was plenty of room to fit it into the place of the old one.

Having said all this I do not know if the 565 and the 566 (Orion II) are the same, but it is worth looking to see!

Regards

Robert M0BJX

From: mailto:orion565@yahoogroups.com
Sent: Wednesday, October 21, 2015 11:36 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: New (to me) Orion 565 At receive fault

I have contacted the man I bought the radio off & he says he will pay for repair, he assures me it worked when it left him so I feel bad about running up any cost. I can go ahead and have the capacitors and battery replaced locally and if that doesn't fix it then have the radio sent off to a dealer in England. Sent an email off to TenTec asking how to purchase the batery earlier.

Fingers crossed
Andrew
MI0OBR

10944. Orion 2 Trouble on Receive

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-26 17:14:41 UTC
From: Ralph Matthews
Topic: 10944 Message: 10944

I've had my O2 for 5 years with zero problems. It has the latest version of the software.

Lately, when I turn on the unit, the receiver will not come on. Instead, there are loud popping noises coming out of the speaker. It appears the unit is trying to get the receiver to come on, but no go.

When I turn off the unit and wait a few seconds, then turn it back on, the receiver comes on with no problems!

I have no idea what might be causing this anomaly.

Any suggestions are much appreciated!

Ralph, NA6D

10945. Re: [orion565] Orion 2 Trouble on Receive

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-26 21:39:41 UTC
From: Peter Frenning [OZ1PIF]
Topic: 10944 Message: 10945

Den 26-10-2015 kl. 18:14 skrev 'Ralph Matthews' rondo47@... [orion565]:

I've had my O2 for 5 years with zero problems. It has the latest version of the software.

Lately, when I turn on the unit, the receiver will not come on. Instead, there are loud popping noises coming out of the speaker. It appears the unit is trying to get the receiver to come on, but no go.

When I turn off the unit and wait a few seconds, then turn it back on, the receiver comes on with no problems!

I have no idea what might be causing this anomaly.

Any suggestions are much appreciated!

Ralph, NA6D

In short: electrolytics on the A9 powerdistribution board have reached their end of life, you need to replace the three 470uF caps with equal or better types. See http://www.n6ie.com/A9_Fix.html for details.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** If it sounds too good to be true -- **
** it is! **
** If it sounds about right -- make **
** sure you can afford to be wrong! **
** **
** -- Robert Heinlein: **
** "Time enough for love" **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239/ +45 2332 9464
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

10946. Re: [orion565] Orion 2 Trouble on Receive

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-27 01:07:21 UTC
From: Bert Beyt
Topic: 10944 Message: 10946

Replace the battery behind the front panel.

----- Original Message -----
From: 'Ralph Matthews' rondo47@... [orion565] <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Cc: Ralph Matthews <rondo47@...>
Sent: Mon, 26 Oct 2015 13:14:41 -0400 (EDT)
Subject: [orion565] Orion 2 Trouble on Receive

I've had my O2 for 5 years with zero problems. It has the latest version of the software.

Lately, when I turn on the unit, the receiver will not come on. Instead, there are loud popping noises coming out of the speaker. It appears the unit is trying to get the receiver to come on, but no go.

When I turn off the unit and wait a few seconds, then turn it back on, the receiver comes on with no problems!

I have no idea what might be causing this anomaly.

Any suggestions are much appreciated!

Ralph, NA6D

10947. Re: [orion565] Orion 2 Trouble on Receive

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-27 22:36:30 UTC
From: Jim Warner
Topic: 10944 Message: 10947

I ran into this after putting new batteries and Rev 3.033xd
in a 566AT. No good deed goes unpunished.

The radio came back to me with this same popping RX audio anomaly.

Did the normal resets and everything was fine.

By casual observation, it occurred to me that the RX popping problem
came about after the customer reprogrammed his preferences and recycled
the power with those preferences stored in memory. "It did not do that
before I brought the radio in"...

After thinking about how I was going to get myself out of a jamb, I
decided the first step was to put the old firmware back in. Customer
reprogrammed his preferences and wha-la, no RX AF problems, and the same
lazy RSSI meter readings he was complaining about. So at least we were
back to square one.

I then put 3.033xd back in and had the customer reprogram his
preferences, which by this time, he could key in blindfolded. Turn the
radio on, lights up normal, but sharp popping through the speaker with
amplitude controllable at the AF level encoder, just no intelligible
audio signal.

By process of elimination, reverting parameters back to default one at a
time, and power cycling, we came to the conclusion that turning off the
NB and NOTCH, finally cured the RX AF popping problem.

Once the radio is on, you can use the NOTCH and NB as normal, but turn
these features off before shutting off the radio.

I did this procedure twice and was able to reproduce the exact same
result. Whether it is an issue with this particular unit under test, or
a widespread problem is not known by me.

Writing this on the fly, I haven't researched whether the 565 and 566
share the same sharks.

It does sound very similar to the problem you are having which peaked my
interest enough to share.

I would certainly be interested in knowing if this is a common problem,
for curiosity sake if nothing else. There are many comments that skirt
the issue, but have yet to see anything concrete.

Jim Warner WA9Z

On 10/26/2015 8:07 PM, Bert Beyt w5zr@... [orion565] wrote:
> Replace the battery behind the front panel.
>
> ----- Original Message -----
> From: 'Ralph Matthews' rondo47@... [orion565]
> <orion565@yahoogroups.com>
> To: orion565@yahoogroups.com
> Cc: Ralph Matthews <rondo47@...>
> Sent: Mon, 26 Oct 2015 13:14:41 -0400 (EDT)
> Subject: [orion565] Orion 2 Trouble on Receive
>
> I've had my O2 for 5 years with zero problems. It has the latest version of
> the software.
>
> Lately, when I turn on the unit, the receiver will not come on. Instead,
> there are loud popping noises coming out of the speaker. It appears the unit
> is trying to get the receiver to come on, but no go.
>
> When I turn off the unit and wait a few seconds, then turn it back on, the
> receiver comes on with no problems!
>
> I have no idea what might be causing this anomaly.
>
> Any suggestions are much appreciated!
>
> Ralph, NA6D
>
>

10948. Re: [orion565] Orion 2 Trouble on Receive

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-27 23:01:49 UTC
From: Barry N1EU
Topic: 10944 Message: 10948

I think this is a known and unresolved bug in the 566 firmware and believe it's still being worked on. As mentioned, the work-around is to turn off NB and Notch before powering down the radio. The 565 doesn't suffer from this issue.

Barry N1EU

On Tue, Oct 27, 2015 at 10:36 PM, Jim Warner jim@exlinesignal.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I ran into this after putting new batteries and Rev 3.033xd
> in a 566AT. No good deed goes unpunished.
>
> The radio came back to me with this same popping RX audio anomaly.
>
> Did the normal resets and everything was fine.
>
> By casual observation, it occurred to me that the RX popping problem
> came about after the customer reprogrammed his preferences and recycled
> the power with those preferences stored in memory. "It did not do that
> before I brought the radio in"...
>
> After thinking about how I was going to get myself out of a jamb, I
> decided the first step was to put the old firmware back in. Customer
> reprogrammed his preferences and wha-la, no RX AF problems, and the same
> lazy RSSI meter readings he was complaining about. So at least we were
> back to square one.
>
> I then put 3.033xd back in and had the customer reprogram his
> preferences, which by this time, he could key in blindfolded. Turn the
> radio on, lights up normal, but sharp popping through the speaker with
> amplitude controllable at the AF level encoder, just no intelligible
> audio signal.
>
> By process of elimination, reverting parameters back to default one at a
> time, and power cycling, we came to the conclusion that turning off the
> NB and NOTCH, finally cured the RX AF popping problem.
>
> Once the radio is on, you can use the NOTCH and NB as normal, but turn
> these features off before shutting off the radio.
>
> I did this procedure twice and was able to reproduce the exact same
> result. Whether it is an issue with this particular unit under test, or
> a widespread problem is not known by me.

>
> Writing this on the fly, I haven't researched whether the 565 and 566
> share the same sharks.
>
> It does sound very similar to the problem you are having which peaked my
> interest enough to share.
>
> I would certainly be interested in knowing if this is a common problem,
> for curiosity sake if nothing else. There are many comments that skirt
> the issue, but have yet to see anything concrete.
>
> Jim Warner WA9Z
>
> On 10/26/2015 8:07 PM, Bert Beyt w5zr@... [orion565] wrote:
> > Replace the battery behind the front panel.
> >
> > ----- Original Message -----
> > From: 'Ralph Matthews' rondo47@... [orion565]
> > <orion565@yahoogroups.com>
> > To: orion565@yahoogroups.com
> > Cc: Ralph Matthews <rondo47@...>
> > Sent: Mon, 26 Oct 2015 13:14:41 -0400 (EDT)
> > Subject: [orion565] Orion 2 Trouble on Receive
> >
> > I've had my O2 for 5 years with zero problems. It has the latest version
> of
> > the software.
> >
> > Lately, when I turn on the unit, the receiver will not come on. Instead,
> > there are loud popping noises coming out of the speaker. It appears the
> unit
> > is trying to get the receiver to come on, but no go.
> >
> > When I turn off the unit and wait a few seconds, then turn it back on,
> the
> > receiver comes on with no problems!
> >
> > I have no idea what might be causing this anomaly.
> >
> > Any suggestions are much appreciated!
> >
> > Ralph, NA6D
> >
> >
>
>
>

10949. RE: [orion565] Orion 2 Trouble on Receive

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-29 18:56:36 UTC
From: Ralph Matthews
Topic: 10944 Message: 10949

Thanks to all who responded to my query. It is much appreciated!

73, Ralph, NA6D

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, October 27, 2015 4:02 PM
To: Orion565
Subject: Re: [orion565] Orion 2 Trouble on Receive

I think this is a known and unresolved bug in the 566 firmware and believe it's still being worked on. As mentioned, the work-around is to turn off NB and Notch before powering down the radio. The 565 doesn't suffer from this issue.

Barry N1EU

On Tue, Oct 27, 2015 at 10:36 PM, Jim Warner jim@... [orion565] <orion565@yahoogroups.com> wrote:

I ran into this after putting new batteries and Rev 3.033xd
in a 566AT. No good deed goes unpunished.

The radio came back to me with this same popping RX audio anomaly.

Did the normal resets and everything was fine.

By casual observation, it occurred to me that the RX popping problem
came about after the customer reprogrammed his preferences and recycled
the power with those preferences stored in memory. "It did not do that
before I brought the radio in"...

After thinking about how I was going to get myself out of a jamb, I
decided the first step was to put the old firmware back in. Customer
reprogrammed his preferences and wha-la, no RX AF problems, and the same
lazy RSSI meter readings he was complaining about. So at least we were
back to square one.

I then put 3.033xd back in and had the customer reprogram his
preferences, which by this time, he could key in blindfolded. Turn the
radio on, lights up normal, but sharp popping through the speaker with
amplitude controllable at the AF level encoder, just no intelligible
audio signal.

By process of elimination, reverting parameters back to default one at a
time, and power cycling, we came to the conclusion that turning off the
NB and NOTCH, finally cured the RX AF popping problem.

Once the radio is on, you can use the NOTCH and NB as normal, but turn
these features off before shutting off the radio.

I did this procedure twice and was able to reproduce the exact same result. Whether it is an issue with this particular unit under test, or a widespread problem is not known by me.

Writing this on the fly, I haven't researched whether the 565 and 566 share the same sharks.

It does sound very similar to the problem you are having which peaked my interest enough to share.

I would certainly be interested in knowing if this is a common problem, for curiosity sake if nothing else. There are many comments that skirt the issue, but have yet to see anything concrete.

Jim Warner WA9Z

On 10/26/2015 8:07 PM, Bert Beyt w5zr@... [orion565] wrote:
> Replace the battery behind the front panel.
>
> ----- Original Message -----
> From: 'Ralph Matthews' rondo47@... [orion565]
> <orion565@yahoogroups.com>
> To: orion565@yahoogroups.com
> Cc: Ralph Matthews <rondo47@...>
> Sent: Mon, 26 Oct 2015 13:14:41 -0400 (EDT)
> Subject: [orion565] Orion 2 Trouble on Receive
>
> I've had my O2 for 5 years with zero problems. It has the latest version of
> the software.
>
> Lately, when I turn on the unit, the receiver will not come on. Instead,
> there are loud popping noises coming out of the speaker. It appears the unit
> is trying to get the receiver to come on, but no go.
>
> When I turn off the unit and wait a few seconds, then turn it back on, the
> receiver comes on with no problems!
>
> I have no idea what might be causing this anomaly.
>
> Any suggestions are much appreciated!
>
> Ralph, NA6D
>
>

10950. Re: [orion565] Orion 2 Trouble on Receive

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-30 00:33:50 UTC
From: Phil Chambley Sr
Topic: 10944 Message: 10950

Quick tip.

Rock the first capacitor side to side and increase the space between the cap and the board surface. When the distance is sufficient, reach underneath and snip one of the leads between the board and the cap. Don't cut the other lead. From the bottom, heat the side you didn't cut while pulling up on the capacitor. When that side is removed, heat the other side and pull the lead out with tweezers. Heat the holes and run a needle through each hole from the component side. Put a light film of solder paste on each lead of the new capacitor prior to insertion. Insert and solder from the foil side. Watch for the hole to "suck" the solder into the hole, signifying the successful soldering of the component side foil.

Phil C. Sr.
k4dpk 1955

On 10/29/2015 2:56 PM, 'Ralph Matthews' rondo47@... [orion565] wrote:
>
> Thanks to all who responded to my query. It is much appreciated!
>
> 73, Ralph, NA6D
>
> *From:*orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Tuesday, October 27, 2015 4:02 PM
> *To:* Orion565
> *Subject:* Re: [orion565] Orion 2 Trouble on Receive
>
>
>
>
> I think this is a known and unresolved bug in the 566 firmware and
> believe it's still being worked on. As mentioned, the work-around is
> to turn off NB and Notch before powering down the radio. The 565
> doesn't suffer from this issue.
>
> Barry N1EU
>
> On Tue, Oct 27, 2015 at 10:36 PM, Jim Warner jim@...
> <mailto:jim@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> I ran into this after putting new batteries and Rev 3.033xd
> in a 566AT. No good deed goes unpunished.
>

> The radio came back to me with this same popping RX audio anomaly.
>
> Did the normal resets and everything was fine.
>
> By casual observation, it occurred to me that the RX popping problem
> came about after the customer reprogrammed his preferences and recycled
> the power with those preferences stored in memory. "It did not do that
> before I brought the radio in"...
>
> After thinking about how I was going to get myself out of a jamb, I
> decided the first step was to put the old firmware back in. Customer
> reprogrammed his preferences and wha-la, no RX AF problems, and the same
> lazy RSSI meter readings he was complaining about. So at least we were
> back to square one.
>
> I then put 3.033xd back in and had the customer reprogram his
> preferences, which by this time, he could key in blindfolded. Turn the
> radio on, lights up normal, but sharp popping through the speaker with
> amplitude controllable at the AF level encoder, just no intelligible
> audio signal.
>
> By process of elimination, reverting parameters back to default one at a
> time, and power cycling, we came to the conclusion that turning off the
> NB and NOTCH, finally cured the RX AF popping problem.
>
> Once the radio is on, you can use the NOTCH and NB as normal, but turn
> these features off before shutting off the radio.
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> I did this procedure twice and was able to reproduce the exact same
> result. Whether it is an issue with this particular unit under test, or
> a widespread problem is not known by me.
>
> Writing this on the fly, I haven't researched whether the 565 and 566
> share the same sharks.
>
> It does sound very similar to the problem you are having which peaked my
> interest enough to share.
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> I would certainly be interested in knowing if this is a common problem,
> for curiosity sake if nothing else. There are many comments that skirt
> the issue, but have yet to see anything concrete.
>
> Jim Warner WA9Z
>
> On 10/26/2015 8:07 PM, Bert Beyt w5zr@...
> <mailto:w5zr@...> [orion565] wrote:
> > Replace the battery behind the front panel.
> >
> > ----- Original Message -----
> > From: 'Ralph Matthews' rondo47@...

> <mailto:rondo47@...> [orion565]
> > <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
> > To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> > Cc: Ralph Matthews <rondo47@... <mailto:rondo47@...>>
> > Sent: Mon, 26 Oct 2015 13:14:41 -0400 (EDT)
> > Subject: [orion565] Orion 2 Trouble on Receive
> >
> > I've had my O2 for 5 years with zero problems. It has the latest
> version of
> > the software.
> >
> > Lately, when I turn on the unit, the receiver will not come on. Instead,
> > there are loud popping noises coming out of the speaker. It appears
> the unit
> > is trying to get the receiver to come on, but no go.
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> > When I turn off the unit and wait a few seconds, then turn it back
> on, the
> > receiver comes on with no problems!
> >
> > I have no idea what might be causing this anomaly.
> >
> > Any suggestions are much appreciated!
> >
> > Ralph, NA6D
> >
> >
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>

10951. Re: [orion565] Orion 2 Trouble on Receive

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-30 19:44:06 UTC
From: K Van Horn
Topic: 10944 Message: 10951

Hi Phil, Ralph and Barry,

One of the characteristics that is important about the replacement electrolytic is very low ESR.
There is a relatively inexpensive kit called the Blue ESR meter available to measure ESR at:

http://www.flippers.com/catalog/product_info.php/blue-meter-p-2

I built one of these kits several years ago and find it to be accurate and Very useful (especially when selecting low ESR caps from a large number of them that I ordered for my Orion2s!)

My experience in repairing the A9 boards (I have 3 of them...2 installed in the O2s and a spare) was that the Blue ESR meter was essential in picking out the best caps for the O2S. The range of the caps that I got from the supplier (ordered 100 pieces), that I tested ranged in value from 5 ohms to .01 ohms. I only found one low ESR in the group of 100 that had a value of 5 (five) ohms whereas the rest of them varied from .06 ohms down to .01 ohms. I installed only the .01 caps in all three A9 boards, and have not had any recurrence of the A9 board problem. I did use a higher working volt and higher temperature rated cap (as suggested by the repair website: http://www.n6ie.com/A9_Fix.html)than the ones that were originally installed by Ten Tec.

The ESR meter is an ohmmeter that measures ohms with an alternating voltage as opposed to a conventional ohmmeter that uses a DC voltage to run its test. ESR means Equivalent Series Resistance.

Hope that this info helps in the repair of Orion 1 and 2 A9 boards.

73 es Gud DX,
Kirby, K7EC

From: mailto:orion565@yahoogroups.com
Sent: Thursday, 29 October, 2015 18:33
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 2 Trouble on Receive

Quick tip.

Rock the first capacitor side to side and increase the space between the cap and the board surface. When the distance is sufficient, reach underneath and snip one of the leads between the board and the cap. Don't cut the other lead. From the bottom, heat the side you didn't cut while pulling up on the capacitor. When that side is removed, heat the other side and pull the lead out with tweezers. Heat the holes and run a needle through each hole from the component side. Put a light film of solder paste on each lead of the new capacitor prior to insertion. Insert and solder from the foil side. Watch for the hole to "suck" the solder into the hole, signifying the successful soldering of the component side foil.

Phil C. Sr.
k4dpk 1955

On 10/29/2015 2:56 PM, 'Ralph Matthews' rondo47@... [orion565] wrote:

Thanks to all who responded to my query. It is much appreciated!

73, Ralph, NA6D

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, October 27, 2015 4:02 PM
To: Orion565
Subject: Re: [orion565] Orion 2 Trouble on Receive

I think this is a known and unresolved bug in the 566 firmware and believe it's still being worked on. As mentioned, the work-around is to turn off NB and Notch before powering down the radio. The 565 doesn't suffer from this issue.

Barry N1EU

On Tue, Oct 27, 2015 at 10:36 PM, Jim Warner jim@... [orion565] <orion565@yahoogroups.com> wrote:

I ran into this after putting new batteries and Rev 3.033xd
in a 566AT. No good deed goes unpunished.

The radio came back to me with this same popping RX audio anomaly.

Did the normal resets and everything was fine.

By casual observation, it occurred to me that the RX popping problem
came about after the customer reprogrammed his preferences and recycled
the power with those preferences stored in memory. "It did not do that
before I brought the radio in"...

After thinking about how I was going to get myself out of a jamb, I
decided the first step was to put the old firmware back in. Customer
reprogrammed his preferences and wha-la, no RX AF problems, and the same
lazy RSSI meter readings he was complaining about. So at least we were
back to square one.

I then put 3.033xd back in and had the customer reprogram his
preferences, which by this time, he could key in blindfolded. Turn the
radio on, lights up normal, but sharp popping through the speaker with
amplitude controllable at the AF level encoder, just no intelligible
audio signal.

By process of elimination, reverting parameters back to default one at a
time, and power cycling, we came to the conclusion that turning off the
NB and NOTCH, finally cured the RX AF popping problem.

Once the radio is on, you can use the NOTCH and NB as normal, but turn
these features off before shutting off the radio.

I did this procedure twice and was able to reproduce the exact same result. Whether it is an issue with this particular unit under test, or a widespread problem is not known by me.

Writing this on the fly, I haven't researched whether the 565 and 566 share the same sharks.

It does sound very similar to the problem you are having which peaked my interest enough to share.

I would certainly be interested in knowing if this is a common problem, for curiosity sake if nothing else. There are many comments that skirt the issue, but have yet to see anything concrete.

Jim Warner WA9Z

On 10/26/2015 8:07 PM, Bert Beyt w5zr@... [orion565] wrote:
> Replace the battery behind the front panel.
>
> ----- Original Message -----
> From: 'Ralph Matthews' rondo47@... [orion565]
> <orion565@yahoogroups.com>
> To: orion565@yahoogroups.com
> Cc: Ralph Matthews <rondo47@surewest.net>
> Sent: Mon, 26 Oct 2015 13:14:41 -0400 (EDT)
> Subject: [orion565] Orion 2 Trouble on Receive
>
> I've had my O2 for 5 years with zero problems. It has the latest version of
> the software.
>
> Lately, when I turn on the unit, the receiver will not come on. Instead,
> there are loud popping noises coming out of the speaker. It appears the unit
> is trying to get the receiver to come on, but no go.
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> When I turn off the unit and wait a few seconds, then turn it back on, the
> receiver comes on with no problems!
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> I have no idea what might be causing this anomaly.
>
> Any suggestions are much appreciated!
>
> Ralph, NA6D
>
>

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

10952. Re: [orion565] Orion 2 Trouble on Receive

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-30 21:27:54 UTC
From: Barry N1EU
Topic: 10944 Message: 10952

Plenty of info along with part numbers of low ESR caps to buy, specific to the A9 board repair: http://www.tentecwiki.org/doku.php?id=565pwrdistfail (scroll down to bottom)

73, Barry N1EU

On Fri, Oct 30, 2015 at 7:44 PM, 'K Van Horn' k7ec@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi Phil, Ralph and Barry,
>
> One of the characteristics that is important about the replacement
> electrolytic is very low ESR.
> There is a relatively inexpensive kit called the Blue ESR meter available
> to measure ESR at:
>
> http://www.flippers.com/catalog/product_info.php/blue-meter-p-2
>
> I built one of these kits several years ago and find it to be accurate and
> Very useful (especially when selecting low ESR caps from a large number of
> them that I ordered for my Orion2s!)
>
> My experience in repairing the A9 boards (I have 3 of them...2 installed
> in the O2s and a spare) was that the Blue ESR meter was essential in
> picking out the best caps for the O2S. The range of the caps that I got
> from the supplier (ordered 100 pieces), that I tested ranged in value from
> 5 ohms to .01 ohms. I only found one low ESR in the group of 100 that had
> a value of 5 (five) ohms whereas the rest of them varied from .06 ohms down
> to .01 ohms. I installed only the .01 caps in all three A9 boards, and have
> not had any recurrence of the A9 board problem. I did use a higher working
> volt and higher temperature rated cap (as suggested by the repair website:
> http://www.n6ie.com/A9_Fix.html)than the ones that were originally
> installed by Ten Tec.
>
> The ESR meter is an ohmmeter that measures ohms with an alternating
> voltage as opposed to a conventional ohmmeter that uses a DC voltage to run
> its test. ESR means Equivalent Series Resistance.
>
> Hope that this info helps in the repair of Orion 1 and 2 A9 boards.
>
> 73 es Gud DX,
> Kirby, K7EC
>
>

>
> *From:* mailto:orion565@yahoogroups.com <orion565@yahoogroups.com>
> *Sent:* Thursday, 29 October, 2015 18:33
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Orion 2 Trouble on Receive
>
>
>
> Quick tip.
>
> Rock the first capacitor side to side and increase the space between the
> cap and the board surface. When the distance is sufficient, reach
> underneath and snip one of the leads between the board and the cap. Don't
> cut the other lead. From the bottom, heat the side you didn't cut while
> pulling up on the capacitor. When that side is removed, heat the other
> side and pull the lead out with tweezers. Heat the holes and run a needle
> through each hole from the component side. Put a light film of solder
> paste on each lead of the new capacitor prior to insertion. Insert and
> solder from the foil side. Watch for the hole to "suck" the solder into
> the hole, signifying the successful soldering of the component side foil.
>
> Phil C. Sr.
> k4dpk 1955
>
> On 10/29/2015 2:56 PM, 'Ralph Matthews' rondo47@... [orion565]
> wrote:
>
>
>
> Thanks to all who responded to my query. It is much appreciated!
>
> 73, Ralph, NA6D
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com
> <orion565@yahoogroups.com>]
> *Sent:* Tuesday, October 27, 2015 4:02 PM
> *To:* Orion565
> *Subject:* Re: [orion565] Orion 2 Trouble on Receive
>
>
>
>
> I think this is a known and unresolved bug in the 566 firmware and believe
> it's still being worked on. As mentioned, the work-around is to turn off
> NB and Notch before powering down the radio. The 565 doesn't suffer from
> this issue.
>
> Barry N1EU
>
> On Tue, Oct 27, 2015 at 10:36 PM, Jim Warner jim@...

> [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> I ran into this after putting new batteries and Rev 3.033xd
> in a 566AT. No good deed goes unpunished.
>
> The radio came back to me with this same popping RX audio anomaly.
>
> Did the normal resets and everything was fine.
>
> By casual observation, it occurred to me that the RX popping problem
> came about after the customer reprogrammed his preferences and recycled
> the power with those preferences stored in memory. "It did not do that
> before I brought the radio in"...
>
> After thinking about how I was going to get myself out of a jamb, I
> decided the first step was to put the old firmware back in. Customer
> reprogrammed his preferences and wha-la, no RX AF problems, and the same
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> back to square one.
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> amplitude controllable at the AF level encoder, just no intelligible
> audio signal.
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> By process of elimination, reverting parameters back to default one at a
> time, and power cycling, we came to the conclusion that turning off the
> NB and NOTCH, finally cured the RX AF popping problem.
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> Once the radio is on, you can use the NOTCH and NB as normal, but turn
> these features off before shutting off the radio.
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> I did this procedure twice and was able to reproduce the exact same
> result. Whether it is an issue with this particular unit under test, or
> a widespread problem is not known by me.
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> Writing this on the fly, I haven't researched whether the 565 and 566
> share the same sharks.
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> It does sound very similar to the problem you are having which peaked my
> interest enough to share.
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> I would certainly be interested in knowing if this is a common problem,
> for curiosity sake if nothing else. There are many comments that skirt
> the issue, but have yet to see anything concrete.
>
> Jim Warner WA9Z

>
> On 10/26/2015 8:07 PM, Bert Beyt <w5zr@...>w5zr@...
> [orion565] wrote:
> > Replace the battery behind the front panel.
> >
> > ----- Original Message -----
> > From: 'Ralph Matthews' <rondo47@...>rondo47@...
> [orion565]
> > <orion565@yahoogroups.com>
> > To: orion565@yahoogroups.com
> > Cc: Ralph Matthews < <rondo47@...>rondo47@...>
> > Sent: Mon, 26 Oct 2015 13:14:41 -0400 (EDT)
> > Subject: [orion565] Orion 2 Trouble on Receive
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> > I've had my O2 for 5 years with zero problems. It has the latest version
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> > receiver comes on with no problems!
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> > I have no idea what might be causing this anomaly.
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> > Ralph, NA6D
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> ------------------------------
> [image: Avast logo] <https://www.avast.com/antivirus>
>
> This email has been checked for viruses by Avast antivirus software.
> www.avast.com <https://www.avast.com/antivirus>
>
>
>

10953. Re: [orion565] Orion 2 Trouble on Receive

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-30 21:52:18 UTC
From: amfone
Topic: 10944 Message: 10953

Barry is there more information like this regarding repairing the Orion?
73 Tim WB8UHZ

On Friday, October 30, 2015 9:28 PM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:

Plenty of info along with part numbers of low ESR caps to buy, specific to the A9 board repair: http://www.tentecwiki.org/doku.php?id=565pwrdistfail (scroll down to bottom)
73, Barry N1EU

On Fri, Oct 30, 2015 at 7:44 PM, 'K Van Horn' k7ec@... [orion565] <orion565@yahoogroups.com> wrote:

Hi Phil, Ralph and Barry, One of the characteristics that is important about the replacement electrolytic is very low ESR. There is a relatively inexpensive kit called the Blue ESR meter available to measure ESR at: http://www.flippers.com/catalog/product_info.php/blue-meter-p-2 I built one of these kits several years ago and find it to be accurate and Very useful (especially when selecting low ESR caps from a large number of them that I ordered for my Orion2s!) My experience in repairing the A9 boards (I have 3 of them...2 installed in the O2s and a spare) was that the Blue ESR meter was essential in picking out the best caps for the O2S. The range of the caps that I got from the supplier (ordered 100 pieces), that I tested ranged in value from 5 ohms to .01 ohms. I only found one low ESR in the group of 100 that had a value of 5 (five) ohms whereas the rest of them varied from .06 ohms down to .01 ohms. I installed only the .01 caps in all three A9 boards, and have not had any recurrence of the A9 board problem. I did use a higher working volt and higher temperature rated cap (as suggested by the repair website: http://www.n6ie.com/A9_Fix.html)than the ones that were originally installed by Ten Tec. The ESR meter is an ohmmeter that measures ohms with an alternating voltage as opposed to a conventional ohmmeter that uses a DC voltage to run its test. ESR means Equivalent Series Resistance. Hope that this info helps in the repair of Orion 1 and 2 A9 boards. 73 es Gud DX,Kirby, K7EC From: mailto:orion565@yahoogroups.com Sent: Thursday, 29 October, 2015 18:33To: orion565@yahoogroups.com Subject: Re: [orion565] Orion 2 Trouble on Receive Quick tip.

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Phil C. Sr.
k4dpk 1955

On 10/29/2015 2:56 PM, 'Ralph Matthews' rondo47@... [orion565] wrote:

Thanks to all who responded to my query. It is much appreciated! 73, Ralph, NA6D From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, October 27, 2015 4:02 PM
To: Orion565
Subject: Re: [orion565] Orion 2 Trouble on Receive

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After thinking about how I was going to get myself out of a jamb, I decided the first step was to put the old firmware back in. Customer reprogrammed his preferences and wha-la, no RX AF problems, and the same lazy RSSI meter readings he was complaining about. So at least we were back to square one.

I then put 3.033xd back in and had the customer reprogram his preferences, which by this time, he could key in blindfolded. Turn the radio on, lights up normal, but sharp popping through the speaker with amplitude controllable at the AF level encoder, just no intelligible audio signal.

By process of elimination, reverting parameters back to default one at a time, and power cycling, we came to the conclusion that turning off the NB and NOTCH, finally cured the RX AF popping problem.

Once the radio is on, you can use the NOTCH and NB as normal, but turn these features off before shutting off the radio.

I did this procedure twice and was able to reproduce the exact same result. Whether it is an issue with this particular unit under test, or a widespread problem is not known by me.

Writing this on the fly, I haven't researched whether the 565 and 566 share the same sharks.

It does sound very similar to the problem you are having which peaked my interest enough to share.

I would certainly be interested in knowing if this is a common problem,
for curiosity sake if nothing else. There are many comments that skirt
the issue, but have yet to see anything concrete.

Jim Warner WA9Z

On 10/26/2015 8:07 PM, Bert Beyt w5zr@... [orion565] wrote:
> Replace the battery behind the front panel.
>
> ----- Original Message -----
> From: 'Ralph Matthews' rondo47@... [orion565]
> <orion565@yahoogroups.com>
> To: orion565@yahoogroups.com
> Cc: Ralph Matthews <rondo47@...>
> Sent: Mon, 26 Oct 2015 13:14:41 -0400 (EDT)
> Subject: [orion565] Orion 2 Trouble on Receive
>
> I've had my O2 for 5 years with zero problems. It has the latest version of
> the software.
>
> Lately, when I turn on the unit, the receiver will not come on. Instead,
> there are loud popping noises coming out of the speaker. It appears the unit
> is trying to get the receiver to come on, but no go.
>
> When I turn off the unit and wait a few seconds, then turn it back on, the
> receiver comes on with no problems!
>
> I have no idea what might be causing this anomaly.
>
> Any suggestions are much appreciated!
>
> Ralph, NA6D
>
>

| | This email has been checked for viruses by Avast antivirus software.
www.avast.com |

10954. Re: [orion565] Orion 2 Trouble on Receive

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-30 23:12:13 UTC
From: Barry N1EU
Topic: 10944 Message: 10954

http://www.tentecwiki.org/doku.php?id=565

On Fri, Oct 30, 2015 at 9:52 PM, amfone amfone20000@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Barry is there more information like this regarding repairing the Orion?
>
> 73 Tim WB8UHZ
>
>
>
> On Friday, October 30, 2015 9:28 PM, "Barry N1EU barry.n1eu@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> Plenty of info along with part numbers of low ESR caps to buy, specific to
> the A9 board repair: http://www.tentecwiki.org/doku.php?id=565pwrdistfail
> (scroll down to bottom)
>
> 73, Barry N1EU
>
>
>
> On Fri, Oct 30, 2015 at 7:44 PM, 'K Van Horn' k7ec@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Hi Phil, Ralph and Barry,
>
> One of the characteristics that is important about the replacement
> electrolytic is very low ESR.
> There is a relatively inexpensive kit called the Blue ESR meter available
> to measure ESR at:
>
> http://www.flippers.com/catalog/product_info.php/blue-meter-p-2
>
> I built one of these kits several years ago and find it to be accurate and
> Very useful (especially when selecting low ESR caps from a large number of
> them that I ordered for my Orion2s!)
>
> My experience in repairing the A9 boards (I have 3 of them...2 installed
> in the O2s and a spare) was that the Blue ESR meter was essential in

> picking out the best caps for the O2S. The range of the caps that I got
> from the supplier (ordered 100 pieces), that I tested ranged in value from
> 5 ohms to .01 ohms. I only found one low ESR in the group of 100 that had
> a value of 5 (five) ohms whereas the rest of them varied from .06 ohms down
> to .01 ohms. I installed only the .01 caps in all three A9 boards, and have
> not had any recurrence of the A9 board problem. I did use a higher working
> volt and higher temperature rated cap (as suggested by the repair website:
> http://www.n6ie.com/A9_Fix.html)than the ones that were originally
> installed by Ten Tec.
>
> The ESR meter is an ohmmeter that measures ohms with an alternating
> voltage as opposed to a conventional ohmmeter that uses a DC voltage to run
> its test. ESR means Equivalent Series Resistance.
>
> Hope that this info helps in the repair of Orion 1 and 2 A9 boards.
>
> 73 es Gud DX,
> Kirby, K7EC
>
>
>
> *From:* mailto:orion565@yahoogroups.com <orion565@yahoogroups.com>
> *Sent:* Thursday, 29 October, 2015 18:33
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Orion 2 Trouble on Receive
>
>
> Quick tip.
>
> Rock the first capacitor side to side and increase the space between the
> cap and the board surface. When the distance is sufficient, reach
> underneath and snip one of the leads between the board and the cap. Don't
> cut the other lead. From the bottom, heat the side you didn't cut while
> pulling up on the capacitor. When that side is removed, heat the other
> side and pull the lead out with tweezers. Heat the holes and run a needle
> through each hole from the component side. Put a light film of solder
> paste on each lead of the new capacitor prior to insertion. Insert and
> solder from the foil side. Watch for the hole to "suck" the solder into
> the hole, signifying the successful soldering of the component side foil.
>
> Phil C. Sr.
> k4dpk 1955
>
> On 10/29/2015 2:56 PM, 'Ralph Matthews' rondo47@... [orion565]
> wrote:
>
>
> Thanks to all who responded to my query. It is much appreciated!
> 73, Ralph, NA6D
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com

> <orion565@yahoogroups.com>]
> *Sent:* Tuesday, October 27, 2015 4:02 PM
> *To:* Orion565
> *Subject:* Re: [orion565] Orion 2 Trouble on Receive
>
>
>
> I think this is a known and unresolved bug in the 566 firmware and believe
> it's still being worked on. As mentioned, the work-around is to turn off
> NB and Notch before powering down the radio. The 565 doesn't suffer from
> this issue.
> Barry N1EU
> On Tue, Oct 27, 2015 at 10:36 PM, Jim Warner jim@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
> I ran into this after putting new batteries and Rev 3.033xd
> in a 566AT. No good deed goes unpunished.
>
> The radio came back to me with this same popping RX audio anomaly.
>
> Did the normal resets and everything was fine.
>
> By casual observation, it occurred to me that the RX popping problem
> came about after the customer reprogrammed his preferences and recycled
> the power with those preferences stored in memory. "It did not do that
> before I brought the radio in"...
>
> After thinking about how I was going to get myself out of a jamb, I
> decided the first step was to put the old firmware back in. Customer
> reprogrammed his preferences and wha-la, no RX AF problems, and the same
> lazy RSSI meter readings he was complaining about. So at least we were
> back to square one.
>
> I then put 3.033xd back in and had the customer reprogram his
> preferences, which by this time, he could key in blindfolded. Turn the
> radio on, lights up normal, but sharp popping through the speaker with
> amplitude controllable at the AF level encoder, just no intelligible
> audio signal.
>
> By process of elimination, reverting parameters back to default one at a
> time, and power cycling, we came to the conclusion that turning off the
> NB and NOTCH, finally cured the RX AF popping problem.
>
> Once the radio is on, you can use the NOTCH and NB as normal, but turn
> these features off before shutting off the radio.
>
> I did this procedure twice and was able to reproduce the exact same
> result. Whether it is an issue with this particular unit under test, or
> a widespread problem is not known by me.
>

> Writing this on the fly, I haven't researched whether the 565 and 566
> share the same sharks.
>
> It does sound very similar to the problem you are having which peaked my
> interest enough to share.
>
> I would certainly be interested in knowing if this is a common problem,
> for curiosity sake if nothing else. There are many comments that skirt
> the issue, but have yet to see anything concrete.
>
> Jim Warner WA9Z
>
> On 10/26/2015 8:07 PM, Bert Beyt <w5zr@hughes.net>w5zr@...
> [orion565] wrote:
> > Replace the battery behind the front panel.
> >
> > ----- Original Message -----
> > From: 'Ralph Matthews' <rondo47@...>rondo47@...
> [orion565]
> > <orion565@yahoogroups.com>
> > To: orion565@yahoogroups.com
> > Cc: Ralph Matthews < <rondo47@...>rondo47@...>
> > Sent: Mon, 26 Oct 2015 13:14:41 -0400 (EDT)
> > Subject: [orion565] Orion 2 Trouble on Receive
> >
> > I've had my O2 for 5 years with zero problems. It has the latest version
> of
> > the software.
> >
> > Lately, when I turn on the unit, the receiver will not come on. Instead,
> > there are loud popping noises coming out of the speaker. It appears the
> unit
> > is trying to get the receiver to come on, but no go.
> >
> > When I turn off the unit and wait a few seconds, then turn it back on,
> the
> > receiver comes on with no problems!
> >
> > I have no idea what might be causing this anomaly.
> >
> > Any suggestions are much appreciated!
> >
> > Ralph, NA6D
> >
> >
>
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>
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>

>
> ------------------------------
> [image: Avast logo] <https://www.avast.com/antivirus>
> This email has been checked for viruses by Avast antivirus software.
> www.avast.com <https://www.avast.com/antivirus>
>
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>
>

10955. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-31 17:02:48 UTC
From: andrewis@...
Topic: 10886 Message: 10955

Ok so the radio was sent to Coastal Communications. & they have found a fault! Here's a copy of the email they sent.
Hi Andrew,
The fault with the Ten-Tec Orion I have tracked down to a earthing problem with the rotary encoder on the main tuning VFO and have re-soldered the connections and all seems to be working OK.

I'm happy it's been fixed but am now thinking I should get the capacitors replaced while it's there at my own expense considering how often they cause problems

Regards
Andrew
MI0OBR

10956. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-31 17:26:11 UTC
From: denton sprague
Topic: 10886 Message: 10956

excellent!
does coastal communications have a web site?
On Oct 31, 2015, at 10:02 AM, andrewis@... [orion565] <orion565@yahoogroups.com> wrote:

> Ok so the radio was sent to Coastal Communications. & they have found a fault! Here's a copy of the email they sent.
> Hi Andrew,
> The fault with the Ten-Tec Orion I have tracked down to a earthing problem with the rotary encoder on the main tuning VFO and have re-soldered the connections and all seems to be working OK.
>
> I'm happy it's been fixed but am now thinking I should get the capacitors replaced while it's there at my own expense considering how often they cause problems
>
> Regards
> Andrew
> MI0OBR
>
>

10957. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-31 19:23:45 UTC
From: Barry N1EU
Topic: 10886 Message: 10957

If the caps have never been replaced, you should get it done but make sure they carefully select electrolytic capacitors with low ESR and high ripple current ratings. Scroll down to bottom of http://tentecwiki.org/doku.php?id=565pwrdistfail

Barry N1EU

On Sat, Oct 31, 2015 at 5:02 PM, andrewis@live.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Ok so the radio was sent to Coastal Communications. & they have found a
> fault! Here's a copy of the email they sent.
> Hi Andrew,
> The fault with the Ten-Tec Orion I have tracked down to a earthing problem
> with the rotary encoder on the main tuning VFO and have re-soldered the
> connections and all seems to be working OK.
>
> I'm happy it's been fixed but am now thinking I should get the capacitors
> replaced while it's there at my own expense considering how often they
> cause problems
>
> Regards
> Andrew
> MI0OBR
>
>

10958. Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-10-31 21:48:47 UTC
From: andrewis@...
Topic: 10886 Message: 10958

Thanks, I'll ring them on Monday.

Coastalcomms.org.uk

10959. Battery Replacement Orion 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-06 22:57:55 UTC
From: n5tf@...
Topic: 10959 Message: 10959

Just finished replacing my battery due to master reset after every power on cycle. The snaphat timekeeper lithium batteries are available from DIGIKEY. Details are on Ten Tec Wiki. Battery is located behind front display. One must take off covers, remove the screws around the front panel and flip the front panel and board assembly frontward. Battery is located on the left side of the circuit board as you face the radio, yellow in color and sits atop a chip, be careful removing and replacing it, the battery is keyed to only go in one way. Link to digikey site and part: M4T28-BR12SH1 STMicroelectronics | 497-3686-5-ND | DigiKey http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615 Price is $4.00 Plus shipping. N5TF, Terry

http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615

M4T28-BR12SH1 STMicroelectronics | 497-3...
http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615 Find STMicroelectronics M4T28-BR12SH1 (497-3686-5-ND) at DigiKey. Check stock and pricing, view product specifications, and order online.

View on www.digikey.com
http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615
Preview by Yahoo

10960. RE: [orion565] Battery Replacement Orion 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-07 02:24:54 UTC
From: Andrew B Steen
Topic: 10959 Message: 10960

I just replaced mine also.

I purchased the battery from TenTec not knowing it was available elsewhere. $9.00 Plus about $6.00 shipping.

Installation was easy using an IC removal tool to pull the old one.

Rig fired up no problem on the first go aroundJ

Lots of screws!

Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, November 06, 2015 2:58 PM
To: orion565@yahoogroups.com
Subject: [orion565] Battery Replacement Orion 565/566

Just finished replacing my battery due to master reset after every power on cycle. The snaphat timekeeper lithium batteries are available from DIGIKEY. Details are on Ten Tec Wiki. Battery is located behind front display. One must take off covers, remove the screws around the front panel and flip the front panel and board assembly frontward. Battery is located on the left side of the circuit board as you face the radio, yellow in color and sits atop a chip, be careful removing and replacing it, the battery is keyed to only go in one way. Link to digikey site and part: M4T28-BR12SH1 STMicroelectronics | 497-3686-5-ND | DigiKey <http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615>
Price is $4.00 Plus shipping. N5TF, Terry

<http://www.digikey.com/product-deta!%20il/en/M4T28-BR12SH1/497-3686-5-ND/679615> image

<http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615>
M4T28-BR12SH1 STMicroelectronics | 497-3...

Find STMicroelectronics M4T28-BR12SH1 (497-3686-5-ND) at DigiKey. Check stock and pricing, view product specifications, and order online.

<http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615> View on www.digikey.com

Preview by Yahoo

10961. RE: [orion565] Battery Replacement Orion 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-07 03:12:57 UTC
From: Ralph Matthews
Topic: 10959 Message: 10961

Hi, Andrew and Terry!

I have the same problem booting up the Orion 2. Some have suggested it is the A9 power distribution board, but I ordered a battery and see if that solves the problem before I go messing around with the A9 board.

BTW, Andrew, in case you have forgotten, your audio was so good, I had to go out and buy the EV RE27ND for the O2. Worth every penny!

73, Ralph, NA6D

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, November 06, 2015 6:25 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Battery Replacement Orion 565/566

I just replaced mine also.

I purchased the battery from TenTec not knowing it was available elsewhere. $9.00 Plus about $6.00 shipping.

Installation was easy using an IC removal tool to pull the old one.

Rig fired up no problem on the first go aroundJ

Lots of screws!

Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, November 06, 2015 2:58 PM
To: orion565@yahoogroups.com
Subject: [orion565] Battery Replacement Orion 565/566

Just finished replacing my battery due to master reset after every power on cycle. The snaphat timekeeper lithium batteries are available from DIGIKEY. Details are on Ten Tec Wiki. Battery is located behind front display. One must take off covers, remove the screws around the front panel and flip the front panel and board assembly frontward. Battery is located on the left side of the circuit board as you face the radio, yellow in color and sits atop a chip, be careful removing and replacing it, the battery is keyed to only go in one way. Link to digikey site and part: M4T28-BR12SH1 STMicroelectronics | 497-3686-5-ND | DigiKey <http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615>
Price is $4.00 Plus shipping. N5TF, Terry

<http://www.digikey.com/product-deta!%20il/en/M4T28-BR12SH1/497-3686-5-ND/679615> image

<http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615>
M4T28-BR12SH1 STMicroelectronics | 497-3...

Find STMicroelectronics M4T28-BR12SH1 (497-3686-5-ND) at DigiKey. Check stock and pricing, view product specifications, and order online.

<http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615> View on www.digikey.com

Preview by Yahoo

10962. RE: [orion565] Battery Replacement Orion 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-07 03:18:47 UTC
From: Andrew B Steen
Topic: 10959 Message: 10962

Hi Ralph.

Long time no hear.

Sorry to have missed the luncheon, but family issues prevailed.

Yes, the RE-27 works very well with the O II.

Do the battery first, cheap fix relatively speaking.

73,

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, November 06, 2015 7:13 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Battery Replacement Orion 565/566

Hi, Andrew and Terry!

I have the same problem booting up the Orion 2. Some have suggested it is the A9 power distribution board, but I ordered a battery and see if that solves the problem before I go messing around with the A9 board.

BTW, Andrew, in case you have forgotten, your audio was so good, I had to go out and buy the EV RE27ND for the O2. Worth every penny!

73, Ralph, NA6D

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, November 06, 2015 6:25 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Battery Replacement Orion 565/566

I just replaced mine also.

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Installation was easy using an IC removal tool to pull the old one.

Rig fired up no problem on the first go aroundJ

Lots of screws!

Andrew K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, November 06, 2015 2:58 PM
To: orion565@yahoogroups.com
Subject: [orion565] Battery Replacement Orion 565/566

Just finished replacing my battery due to master reset after every power on cycle. The snaphat timekeeper lithium batteries are available from DIGIKEY. Details are on Ten Tec Wiki. Battery is located behind front display. One must take off covers, remove the screws around the front panel and flip the front panel and board assembly frontward. Battery is located on the left side of the circuit board as you face the radio, yellow in color and sits atop a chip, be careful removing and replacing it, the battery is keyed to only go in one way. Link to digikey site and part: M4T28-BR12SH1 STMicroelectronics | 497-3686-5-ND | DigiKey <http://www.digikey.com/product-detail/en!%20/M4T28-BR12SH1/497-3686-5-ND/679615> Price is $4.00 Plus shipping. N5TF, Terry

<http://www.digikey.com/product-deta!%20il/en/M4T28-BR12SH1/497-3686-5-ND/679615> image

<http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615>
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<http://www.digikey.com/product-detail/en/M4T28-BR12SH1/497-3686-5-ND/679615> View on www.digikey.com

Preview by Yahoo

10963. Re: [orion565] Serial Port down Orion 1 - Repairs by RF Concepts, LLC.

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-07 16:26:36 UTC
From: pinoleronica@...
Topic: 10840 Message: 10963

Today, is November 7, 2015. I have not heard anything about the repairs and I am still waiting.

It is time to open a case email with them. :(

Rafael / NN3RP

10964. Re: [orion565] Re: New (to me) Orion 565 At receive fault

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-07 20:13:06 UTC
From: andrewis@...
Topic: 10886 Message: 10964

OK so I ended up getting the radio back without the capacitors replaced, when I phoned to ask they said they wouldn't fix what was working fine. Maybe a job for the future? Anyway it came radio back yesterday and its working fine! I am delighted with it. Thanks for all the advice on this group :-) I'm probably going to get rid of the FTDX3000 now and keep the Orion, hopefully making the right choice.

Thanks
Andrew

10965. Orion II - erratic behavior

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-09 22:00:52 UTC
From: Steven Hammond
Topic: 10886 Message: 10965

I have an Orion II and the mic connector seemed really lose to me. I also noticed that transmit was flaky at times but if I barely moved the connector to one side or the other it would transmit fine. Also, I started picking up a local AM station in my heil mic/headphones while transmitting. It sounded like a loose ground or some such so I gave to a local ham who works on radios and such. After he fixed the connector though, the radio started changing bands and such without anyone touching them. I was just wondering if anyone on the list has heard of such behavior and if maybe a MASTER RESET would help or is it something else that has probably come loose internally.

Steven Hammond
KY5M

10966. RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-14 17:36:50 UTC
From: n5tf@...
Topic: 10966 Message: 10966

I bought an Orion 2 not too long ago and today while trying to work Willis Island DX, I tried using the Sub Rx. My radio has the optional RX 366. I could not get the RX 366 to work. Took cover off, checked cables against photo for rx 366 install. removed and replaced each interconnect cable to the RX 366. Performed Ram Clear and Master RESET. Selected RX 366. Still nothing. Reloaded software. Master Reset. Ram Clear. Radio doesn't seem to recognize it has a 366 installed. Yes audio set to hear Sub RX. Yes the same antenna as main Rx/Tx is selected and main receiver and VFO work fine. I think I am about out of options. Any suggestions welcomed. My old Orion 1 still working like a swiss watch.

N5TF, Terry

10967. Re: [orion565] RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-14 18:38:24 UTC
From: Barry N1EU
Topic: 10966 Message: 10967

Did you configure the filter menu?

Barry N1EU

On Sat, Nov 14, 2015 at 5:36 PM, n5tf@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> I bought an Orion 2 not too long ago and today while trying to work Willis
> Island DX, I tried using the Sub Rx. My radio has the optional RX 366. I
> could not get the RX 366 to work. Took cover off, checked cables against
> photo for rx 366 install. removed and replaced each interconnect cable to
> the RX 366. Performed Ram Clear and Master RESET. Selected RX 366. Still
> nothing. Reloaded software. Master Reset. Ram Clear. Radio doesn't seem
> to recognize it has a 366 installed. Yes audio set to hear Sub RX. Yes
> the same antenna as main Rx/Tx is selected and main receiver and VFO work
> fine. I think I am about out of options. Any suggestions welcomed. My
> old Orion 1 still working like a swiss watch.
>
>
> N5TF, Terry
>
>
>

10968. Re: [orion565] RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-14 19:02:40 UTC
From: mcelmer1
Topic: 10966 Message: 10968

Barry,

I would like to chime in. Are you referring to setting the Xtal Filter to Auto and enabling other installed filters?

Mike
W8RN
----- Original Message -----
From: Barry N1EU barry.n1eu@... [orion565]
To: Orion565
Sent: Saturday, November 14, 2015 11:38
Subject: Re: [orion565] RX 366 Not Recognized

Did you configure the filter menu?

Barry N1EU

On Sat, Nov 14, 2015 at 5:36 PM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:

I bought an Orion 2 not too long ago and today while trying to work Willis Island DX, I tried using the Sub Rx. My radio has the optional RX 366. I could not get the RX 366 to work. Took cover off, checked cables against photo for rx 366 install. removed and replaced each interconnect cable to the RX 366. Performed Ram Clear and Master RESET. Selected RX 366. Still nothing. Reloaded software. Master Reset. Ram Clear. Radio doesn't seem to recognize it has a 366 installed. Yes audio set to hear Sub RX. Yes the same antenna as main Rx/Tx is selected and main receiver and VFO work fine. I think I am about out of options. Any suggestions welcomed. My old Orion 1 still working like a swiss watch.

N5TF, Terry

10969. Re: [orion565] RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-14 20:57:49 UTC
From: Barry N1EU
Topic: 10966 Message: 10969

No, you need to configure all three Sub-Rx Slots in the Orion filter menu.
You only see these settings if RX366 is enabled. If this isn't done
properly, you won't get any subrx audio.

Barry N1EU

On Sat, Nov 14, 2015 at 7:02 PM, 'mcelmer1' mcelmer1@... [orion565]
<orion565@yahoogroups.com> wrote:

>
>
> □
> Barry,
>
> I would like to chime in. Are you referring to setting the Xtal Filter to
> Auto and enabling other installed filters?
>
> Mike
> W8RN
>
> ----- Original Message -----
> *From:* Barry N1EU barry.n1eu@... [orion565]
> <barry.n1eu@...+[orion565]>
> *To:* Orion565 <orion565@yahoogroups.com>
> *Sent:* Saturday, November 14, 2015 11:38
> *Subject:* Re: [orion565] RX 366 Not Recognized
>
>
>
> Did you configure the filter menu?
>
> Barry N1EU
>
> On Sat, Nov 14, 2015 at 5:36 PM, n5tf@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> I bought an Orion 2 not too long ago and today while trying to work
>> Willis Island DX, I tried using the Sub Rx. My radio has the optional RX
>> 366. I could not get the RX 366 to work. Took cover off, checked cables
>> against photo for rx 366 install. removed and replaced each interconnect
>> cable to the RX 366. Performed Ram Clear and Master RESET. Selected RX
>> 366. Still nothing. Reloaded software. Master Reset. Ram Clear. Radio
>> doesn't seem to recognize it has a 366 installed. Yes audio set to hear

>> Sub RX. Yes the same antenna as main Rx/Tx is selected and main receiver
>> and VFO work fine. I think I am about out of options. Any suggestions
>> welcomed. My old Orion 1 still working like a swiss watch.
>>
>>
>> N5TF, Terry
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>

10970. Re: [orion565] RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-14 22:18:41 UTC
From: n5tf@...
Topic: 10966 Message: 10970

Barry, in the filter menu, I only see the main receiver filters. I selected RX 366 after master reset but still only see the main receiver filters in the menu/filter.

N5TF, Terry

10971. Re: [orion565] RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-14 23:21:58 UTC
From: Barry N1EU
Topic: 10966 Message: 10971

Your RX366 is not going to work until you get that sorted out. I would double check that the RX366 board is correctly installed - carefully look over the installation instructions and carefully inspect every cable and its label and ensure the edge connector pins are correctly seated. Reinstall firmware and take it from there.

As a last resort, you might try calling the factory and getting some help.

Barry N1EU

On Sat, Nov 14, 2015 at 10:18 PM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Barry, in the filter menu, I only see the main receiver filters. I
> selected RX 366 after master reset but still only see the main receiver
> filters in the menu/filter.
>
>
> N5TF, Terry
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>

10972. Re: [orion565] RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-15 00:47:32 UTC
From: Barry N1EU
Topic: 10966 Message: 10972

Did you check that the RX366 was working when you first received the Orion
2 or is this the first time you've tried to use it?

On Sat, Nov 14, 2015 at 11:21 PM, Barry N1EU <barry.n1eu@...> wrote:

> Your RX366 is not going to work until you get that sorted out. I would
> double check that the RX366 board is correctly installed - carefully look
> over the installation instructions and carefully inspect every cable and
> its label and ensure the edge connector pins are correctly seated.
> Reinstall firmware and take it from there.
>
> As a last resort, you might try calling the factory and getting some help.
>
> Barry N1EU
>
> On Sat, Nov 14, 2015 at 10:18 PM, n5tf@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> Barry, in the filter menu, I only see the main receiver filters. I
>> selected RX 366 after master reset but still only see the main receiver
>> filters in the menu/filter.
>>
>>
>> N5TF, Terry
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>

10973. Re: [orion565] RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-15 05:10:04 UTC
From: n5tf@...
Topic: 10966 Message: 10973

No Barry, can't recall checking specifically the RX 366 when I received the radio earlier this year. I hadn't tried to use the Sub RX until today, but I updated the software and I never recall seeing the sub rx filters show up in the filter menu so perhaps it was dead all along. I did remove the boards, reinstalled them per the directions and reloaded the latest firmware, did RAM and Master reset, with no improvement. I will get my technician friend to put a signal into it and run some tests perhaps tomorrow. Thanks for your help.

N5TF,
Terry

10974. Re: [orion565] RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-15 06:04:36 UTC
From: Mike Pagel, K9UW
Topic: 10966 Message: 10974

Terry, forgive me for jumping into the middle of this conversation, but do you have a copy of the RX-366 manual?
http://www.rkrdesignsllc.com/static/media/documents/74474_Orion565n566_User_Manual_Addendum_V3_Firmware.pdf

73, de Mike, K9UW

From: mailto:orion565@yahoogroups.com
Sent: Saturday, November 14, 2015 11:10 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] RX 366 Not Recognized

No Barry, can't recall checking specifically the RX 366 when I received the radio earlier this year. I hadn't tried to use the Sub RX until today, but I updated the software and I never recall seeing the sub rx filters show up in the filter menu so perhaps it was dead all along. I did remove the boards, reinstalled them per the directions and reloaded the latest firmware, did RAM and Master reset, with no improvement. I will get my technician friend to put a signal into it and run some tests perhaps tomorrow. Thanks for your help.

N5TF,

Terry

10975. Re: [orion565] RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-15 10:37:32 UTC
From: Barry N1EU
Topic: 10966 Message: 10975

Terry, I'm not sure getting that help from your technician friend is going to help. What you really need is more information on the Orion II firmware and what it does internally to determine that the RX366 is present. Evidently, it needs more than an affirmative response when it initializes after reset and asks "RX366 installed?" If there's an internal RX366 hardware detection routine, you need to know what that is checking for and with THAT information, go ahead and troubleshoot why your board isn't being detected.

73, Barry N1EU

On Sun, Nov 15, 2015 at 5:10 AM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> No Barry, can't recall checking specifically the RX 366 when I received
> the radio earlier this year. I hadn't tried to use the Sub RX until today,
> but I updated the software and I never recall seeing the sub rx filters
> show up in the filter menu so perhaps it was dead all along. I did remove
> the boards, reinstalled them per the directions and reloaded the latest
> firmware, did RAM and Master reset, with no improvement. I will get my
> technician friend to put a signal into it and run some tests perhaps
> tomorrow. Thanks for your help.
>
>
> N5TF,
>
> Terry
>
>
>

10976. Re: [orion565] RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-15 12:24:11 UTC
From: n5tf@...
Topic: 10966 Message: 10976

Understand. Perhaps I will get lucky and another set of eyes will see something not connected properly. I even went back to three different versions of firmware, to include the original for the RX-366 incorporation. I think the first signal path to check is the path used to detect the board, if we can figure that out, it may have an open component or bad connection. I bought a stock receiver from a fellow ham, it will come in handy while I troubleshoot the issue and as a backup just in case. I did not receive the removed receiver as the ham I bought it from stated the swap was done at TenTec and they kept the receiver? Will also call the Ten Tec folks tomorrow and see if they will offer a tip.

Thanks Barry for all you do to help fellow Ten Tec Owners.

Terry, N5TF

10977. Re: RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-15 12:35:06 UTC
From: N4BE_Jim@yahoo.com
Topic: 10966 Message: 10977

Be sure to first select SubRx over on the right hand side buttons (between the two vfo knobs), then hit menu and enter the SubRx settings. The menu settings apply to whatever Rx button is illuminated. This always gets me tripped up.
Jim N4BE

Sent from my iPad

10978. Re: [orion565] RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-15 12:40:27 UTC
From: Barry N1EU
Topic: 10966 Message: 10978

You might consider going ahead and swapping the RX366 out for that stock subrx that you have. It's a fairly easy job and could yield some clues depending on whether it works or not.

Barry N1EU

On Sun, Nov 15, 2015 at 12:24 PM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Understand. Perhaps I will get lucky and another set of eyes will see
> something not connected properly. I even went back to three different
> versions of firmware, to include the original for the RX-366
> incorporation. I think the first signal path to check is the path used to
> detect the board, if we can figure that out, it may have an open component
> or bad connection. I bought a stock receiver from a fellow ham, it will
> come in handy while I troubleshoot the issue and as a backup just in case.
> I did not receive the removed receiver as the ham I bought it from stated
> the swap was done at TenTec and they kept the receiver? Will also call the
> Ten Tec folks tomorrow and see if they will offer a tip.
>
>
> Thanks Barry for all you do to help fellow Ten Tec Owners.
>
>
> Terry, N5TF
>
>
>

10979. Re: [orion565] Re: RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-15 12:45:36 UTC
From: Barry N1EU
Topic: 10966 Message: 10979

I just thought of another clue on whether the Orion recognizes that an RX366 is present, in addition to the 3 SUBRX slots in the filter menu. If you push and illuminate the SUB RX button on the right side, you will have options to turn PREAMP on/off and ATTN on (10dB) or off. You won't be able to turn PREAMP or ATTN on if the Orion thinks it has a stock subrx.

Barry N1EU

On Sun, Nov 15, 2015 at 12:35 PM, 'N4BE_Jim@...' n4be_jim@...m [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Be sure to first select SubRx over on the right hand side buttons (between
> the two vfo knobs), then hit menu and enter the SubRx settings. The menu
> settings apply to whatever Rx button is illuminated. This always gets me
> tripped up.
> Jim N4BE
>
> Sent from my iPad
>
>

10980. Re: [orion565] Re: RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-15 13:08:03 UTC
From: Barry N1EU
Topic: 10966 Message: 10980

Terry, I just posted a high resolution photo I took last time I fiddled with my RX366:
http://www.tentecwiki.org/lib/exe/fetch.php?cache=&media=rx366_noted.jpg
The photo has notes on possible sources of confusion: all the jacks and cables that aren't used, the cable 1 going into jack 2, etc etc

You should be able to keep clicking on the photo to enlarge it further and further.

Barry N1EU

On Sun, Nov 15, 2015 at 12:45 PM, Barry N1EU <barry.n1eu@...> wrote:

> I just thought of another clue on whether the Orion recognizes that an
> RX366 is present, in addition to the 3 SUBRX slots in the filter menu. If
> you push and illuminate the SUB RX button on the right side, you will have
> options to turn PREAMP on/off and ATTN on (10dB) or off. You won't be able
> to turn PREAMP or ATTN on if the Orion thinks it has a stock subrx.
>
> Barry N1EU
>
> On Sun, Nov 15, 2015 at 12:35 PM, 'N4BE_Jim@...' n4be_jim@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
>>
>>
>> Be sure to first select SubRx over on the right hand side buttons
>> (between the two vfo knobs), then hit menu and enter the SubRx settings.
>> The menu settings apply to whatever Rx button is illuminated. This always
>> gets me tripped up.
>> Jim N4BE
>>
>> Sent from my iPad
>>
>>
>
>

10981. Re: RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-15 15:55:50 UTC
From: psikes@...
Topic: 10966 Message: 10981

On the power up display does it show the RX as being installed? My Orion II did this once and I finally sent it back to Ten Tec where they found nothing wrong. I finally cane to the conclusion that there must have been a small amount of corrosion on the power connector pins.

Phil N7UX

10982. Re: RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-16 11:18:33 UTC
From: n5tf@...
Topic: 10966 Message: 10982

Thanks Phil, No it does not show installed. I have removed the entire set of boards and reinstalled. Checked all pins and connections.

Thanks to all for your suggestions.

N5TF, Terry

10983. Re: [orion565] Re: RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-16 11:19:08 UTC
From: n5tf@...
Topic: 10966 Message: 10983

No, there is no preamp noted, its blank. When I receive the stock receiver, perhaps I will swap it out. Will call up to Ten Tec this morning and see if they will provide a clue for something to check. Thanks for photo.

N5TF, Terry

10984. Re: RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-17 04:00:58 UTC
From: Howard Smith
Topic: 10966 Message: 10984

Hi Terry,
There is no auto sensing for the RX-366 Sub RX. The RX-366 question after a Master Reset will set a variable to a value of '1' if you answer 'Yes' to the question, and '0' if you answer 'No'. This variable is located in the nonvolatile memory, so it will be remembered after a normal power cycle.

When you see the RX-366 question, does the question get erased immediately after you press the AN button for 'Yes'? If it does, then the AN button has been recognized. If it just remains there, then the AN button is not being recognized. The question will eventually timeout, and will set the variable to '0', assuming that the RX-366 was not installed.

You can see if that variable has been set by pressing and holding the MENU button until the startup screen appears. The last line on the display will show 'RX-366 Receiver installed' when the variable is set to '1'. There will be no message if the variable is set to '0'.

You could also test the AN button by pressing it and seeing if the display above the button goes from 'off' to a number between 1 and 9. Pressing it again should cause the display to return to 'off'. If this test fails, then the issue would be a failed switch or some problem with the circuit used to sense the switch closure.

What version of firmware do you have installed. You can also see that on the startup screen mentioned above.

Good luck!

73..
Howard, WA9AXQ

10985. Re: [orion565] Re: RX 366 Not Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-17 10:00:02 UTC
From: Barry N1EU
Topic: 10966 Message: 10985

Thanks for looking into this Howard and providing the definitive information!

73, Barry N1EU

On Tue, Nov 17, 2015 at 4:00 AM, Howard Smith jsmith207@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi Terry,
> There is no auto sensing for the RX-366 Sub RX. The RX-366 question
> after a Master Reset will set a variable to a value of '1' if you answer
> 'Yes' to the question, and '0' if you answer 'No'. This variable is
> located in the nonvolatile memory, so it will be remembered after a
> normal power cycle.
>
> When you see the RX-366 question, does the question get erased
> immediately after you press the AN button for 'Yes'? If it does, then
> the AN button has been recognized. If it just remains there, then the
> AN button is not being recognized. The question will eventually
> timeout, and will set the variable to '0', assuming that the RX-366 was
> not installed.
>
> You can see if that variable has been set by pressing and holding the
> MENU button until the startup screen appears. The last line on the
> display will show 'RX-366 Receiver installed' when the variable is set
> to '1'. There will be no message if the variable is set to '0'.
>
> You could also test the AN button by pressing it and seeing if the
> display above the button goes from 'off' to a number between 1 and 9.
> Pressing it again should cause the display to return to 'off'. If this
> test fails, then the issue would be a failed switch or some problem with
> the circuit used to sense the switch closure.
>
> What version of firmware do you have installed. You can also see that
> on the startup screen mentioned above.
>
> Good luck!
>
> 73..
> Howard, WA9AXQ
>
>
>

10986. RX 366 Now Recognized

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-17 11:09:22 UTC
From: n5tf@...
Topic: 10966 Message: 10986

Thanks Howard, I pulled boards out again, rechecked all connections, reinserted all the cables and it is now working again. Thanks to you guys, Paul at Ten Tec and others here locally for providing inputs, photos, etc. which kept me motivated to keep looking. These radios are truly one of the best ever made. Glad to be an Orion owner, what's better? How about owning two or more! Thanks again,

N5TF, Terry

10987. Rebuilding dead 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-19 20:51:01 UTC
From: stoskopf@...
Topic: 10987 Message: 10987

I have a very early 565 that got popped by lightning several years ago and was repaired by TT with the caveat that lightning damaged units do fail later. Damage came in on the AC line. Worked for 3 years and then really has gotten flakey to unusable. TT service took a look and the major processor can't be fixed and parts are unobtainable. I've taken a good look at the boards and configuration and am going to pull the guts and put a SDR in using the filters, etc. as is. The architecture is such that it should be doable. It is a shame to abandon the excellent synthesizer board as it isn't needed for the SDR and getting the code to drive it is a bit more than I want to do now. Working through the schematics is a bit of a challenge as there are a couple of errors and changes in naming, but think I'm there. So will start with Scotty's SDRStick cards and an Arduino Mega. If I had the code for the synthesizer and I found it working might have just thrown a Softrock in. Will let you guys know what happens. If I get this working, then I'll attack the front panel stuff.

Now wondering what a wounded 565 is worth as I might need another as a spare or for parts?

N0UU

10988. Re: Rebuilding dead 565

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-21 20:00:23 UTC
From: katz.ajamas@...
Topic: 10987 Message: 10988

I have a 565 project posted on eham.net classifieds. Since posting, I've acquired an enclosure. The internal keyer does not work and the SubRX audio does not work. SunRX module does work. It's got a new battery and the display is nice. It's at my GA QTH. I'll be heading there from the HI QTH this Tue.

I'm looking for an Argonaut VI 539 with CW and SSB filters for SOTA hikes.
73, Bob ah7i

10989. Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-25 13:07:03 UTC
From: n5tf@...
Topic: 10989 Message: 10989

Guys, we just had a very robust discussion regarding dirty transmitters on the Omni VII group. In an effort to get people active in this group, I am asking the following question: If money was no object and you could own any radio what would it be?

I think I would buy another used Orion and perhaps try an ICOM 7800. What would be your choice?

N5TF,
Terry

10990. Re: [orion565] Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-25 13:12:11 UTC
From: thorntonbryon8771@yahoo.com
Topic: 10989 Message: 10990

Ten tec Orion 2
Sent from my Verizon 4G LTE Smartphone
------ Original message------From: n5tf@... [orion565] Date: Wed, Nov 25, 2015 8:07 AMTo: orion565@yahoogroups.com;Cc: Subject:[orion565] Discussion Point - What would you own if you didnt own an Orion
  Guys, we just had a very robust discussion regarding dirty transmitters on the Omni VII group. In an effort to get people active in this group, I am asking the following question: If money was no object and you could own any radio what would it be?
I think I would buy another used Orion and perhaps try an ICOM 7800.   What would be your choice?
N5TF,Terry

10991. Re: [orion565] Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-25 13:14:13 UTC
From: Barry N1EU
Topic: 10989 Message: 10991

Flex 6700. I already have 6 Ten-Tec rigs, ANAN-100D, and a slew of QRP radios.

73, Barry N1EU

On Wed, Nov 25, 2015 at 8:07 AM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Guys, we just had a very robust discussion regarding dirty transmitters on
> the Omni VII group. In an effort to get people active in this group, I am
> asking the following question: If money was no object and you could own
> any radio what would it be?
>
>
> I think I would buy another used Orion and perhaps try an ICOM 7800.
> What would be your choice?
>
>
> N5TF,
>
> Terry
>
>
>

10992. Re: [orion565] Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-25 13:22:36 UTC
From: Duane Calvin
Topic: 10989 Message: 10992

A Flex-6500 or 6700. Happily, I already have a Flex-6500 and am really enjoying it. Also have an Argo VI for portable use. I'm thankful!

73, Duane.

Duane Calvin
Sent from my iPhone

> On Nov 25, 2015, at 7:07 AM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Guys, we just had a very robust discussion regarding dirty transmitters on the Omni VII group. In an effort to get people active in this group, I am asking the following question: If money was no object and you could own any radio what would it be?
>
>
>
> I think I would buy another used Orion and perhaps try an ICOM 7800. What would be your choice?
>
>
>
> N5TF,
>
> Terry
>
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>

10993. RE: [orion565] Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-25 13:36:10 UTC
From: R Gentz
Topic: 10989 Message: 10993

Since my first solid state rig was/is an Icom 740, which I still have, I would also try the 7800 with a loaded Elecraft K3S and all the accessories as a backup.

WB0NPM
Rick

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Wed, 25 Nov 2015 05:07:03 -0800
Subject: [orion565] Discussion Point - What would you own if you didnt own an Orion

Guys, we just had a very robust discussion regarding dirty transmitters on the Omni VII group. In an effort to get people active in this group, I am asking the following question: If money was no object and you could own any radio what would it be?

I think I would buy another used Orion and perhaps try an ICOM 7800. What would be your choice?

N5TF,
Terry

10994. RE: [orion565] Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-25 14:44:56 UTC
From: Wayne Bethoney
Topic: 10989 Message: 10994

Another Orion 2 w/the 366 sub receiver or a Flex 6700.

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Wed, 25 Nov 2015 05:36:10 -0800
Subject: RE: [orion565] Discussion Point - What would you own if you didnt own an Orion

Since my first solid state rig was/is an Icom 740, which I still have, I would also try the 7800 with a loaded Elecraft K3S and all the accessories as a backup.

WB0NPM
Rick

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Wed, 25 Nov 2015 05:07:03 -0800
Subject: [orion565] Discussion Point - What would you own if you didnt own an Orion

Guys, we just had a very robust discussion regarding dirty transmitters on the Omni VII group. In an effort to get people active in this group, I am asking the following question: If money was no object and you could own any radio what would it be?

I think I would buy another used Orion and perhaps try an ICOM 7800. What would be your choice?

N5TF,
Terry

10995. Re: [orion565] Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-25 17:35:31 UTC
From: Dr. Larry S. Anderson
Topic: 10989 Message: 10995

Full-blown K3s -- actually, two of them for SO2R.

--Larry S. Anderson

Sent from my iPhone

> On Nov 25, 2015, at 7:07 AM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Guys, we just had a very robust discussion regarding dirty transmitters on the Omni VII group. In an effort to get people active in this group, I am asking the following question: If money was no object and you could own any radio what would it be?
>
>
>
> I think I would buy another used Orion and perhaps try an ICOM 7800. What would be your choice?
>
>
>
> N5TF,
>
> Terry
>
>

10996. Re: [orion565] Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-25 17:40:27 UTC
From: Fernando
Topic: 10989 Message: 10996

A Hilberling PT-8000A.

Fernando N2FQ/6
n2fq@...

> On Nov 25, 2015, at 5:07 AM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Guys, we just had a very robust discussion regarding dirty transmitters on the Omni VII group. In an effort to get people active in this group, I am asking the following question: If money was no object and you could own any radio what would it be?
>
>
>
> I think I would buy another used Orion and perhaps try an ICOM 7800. What would be your choice?
>
>
>
> N5TF,
>
> Terry
>
>
>
>

10997. Re: [orion565] Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-25 18:16:09 UTC
From: Troy, W6HV
Topic: 10989 Message: 10997

A fully loaded K3s.

73,
Troy, W6HV

From: mailto:orion565@yahoogroups.com
Sent: Wednesday, November 25, 2015 5:07 AM
To: orion565@yahoogroups.com
Subject: [orion565] Discussion Point - What would you own if you didnt own an Orion

Guys, we just had a very robust discussion regarding dirty transmitters on the Omni VII group. In an effort to get people active in this group, I am asking the following question: If money was no object and you could own any radio what would it be?

I think I would buy another used Orion and perhaps try an ICOM 7800. What would be your choice?

N5TF,

Terry

10998. Re: [orion565] Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-25 18:49:32 UTC
From: K Van Horn
Topic: 10989 Message: 10998

Hi Terry,
I do have a second Orion 2 with R-366 sub receiver. I have a 7800 and a 9000d, and K3, and I would get a 7851 to replace the 7800 if money were no object!! Of the 5 radios that I mentioned first, I use the Orion 2s the most, K3 next, followed by the 9000D, and the 7800 the least.

73 and Happy Thanksgiving,

Kirby k7ec

From: mailto:orion565@yahoogroups.com
Sent: Wednesday, 25 November, 2015 06:07
To: orion565@yahoogroups.com
Subject: [orion565] Discussion Point - What would you own if you didnt own an Orion

Guys, we just had a very robust discussion regarding dirty transmitters on the Omni VII group. In an effort to get people active in this group, I am asking the following question: If money was no object and you could own any radio what would it be?

I think I would buy another used Orion and perhaps try an ICOM 7800. What would be your choice?

N5TF,

Terry

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

10999. Re: [orion565] Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-25 20:09:39 UTC
From: kb9pns
Topic: 10989 Message: 10999

Ts940 Or newer 6500.Happy Thanksgiving 73Dirk W9OSI

Sent via the Samsung Galaxy S®6 active, an AT&T 4G LTE smartphone-------- Original message --------From: "'K Van Horn' k7ec@midrivers.com [orion565]" <orion565@yahoogroups.com> Date: 11/25/2015 12:49 PM (GMT-06:00) To: orion565@yahoogroups.com Subject: Re: [orion565] Discussion Point - What would you own if you didnt own an Orion

Hi Terry,
I do have a second Orion 2 with R-366 sub receiver. I have a 7800 and a 9000d, and K3, and I would get a 7851 to replace the 7800 if money were no object!! Of the 5 radios that I mentioned first, I use the Orion 2s the most, K3 next, followed by the 9000D, and the 7800 the least.

73 and Happy Thanksgiving,

Kirby k7ec

From: mailto:orion565@yahoogroups.com

Sent: Wednesday, 25 November, 2015 06:07
To: orion565@yahoogroups.com
Subject: [orion565] Discussion Point - What would you own if you didnt own an Orion

Guys, we just had a very robust discussion regarding dirty transmitters on the Omni VII group. In an effort to get people active in this group, I am asking the following question: If money was no object and you could own any radio what would it be?

I think I would buy another used Orion and perhaps try an ICOM 7800.   What would be your choice?

N5TF,
Terry

This email has been checked for viruses by Avast antivirus software.

www.avast.com

11000. Re: [orion565] Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-26 00:02:41 UTC
From: Tarniowy
Topic: 10989 Message: 11000

IC-7800 and next Orion II

Arek
AC2FC

On Nov 25, 2015, at 3:09 PM, "kb9pns kb9pns@... [orion565]" <orion565@yahoogroups.com> wrote:

> Ts940
> Or newer 6500.
> Happy Thanksgiving 73
> Dirk W9OSI
>
>
>
> Sent via the Samsung Galaxy S®6 active, an AT&T 4G LTE smartphone
> -------- Original message --------
> From: "'K Van Horn' k7ec@... [orion565]" <orion565@yahoogroups.com>
> Date: 11/25/2015 12:49 PM (GMT-06:00)
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Discussion Point - What would you own if you didnt own an Orion
>
>
> Hi Terry,
> I do have a second Orion 2 with R-366 sub receiver. I have a 7800 and a 9000d, and K3, and I would get a 7851 to replace the 7800 if money were no object!! Of the 5 radios that I mentioned first, I use the Orion 2s the most, K3 next, followed by the 9000D, and the 7800 the least.
>
> 73 and Happy Thanksgiving,
>
> Kirby k7ec
>
> From: mailto:orion565@yahoogroups.com
> Sent: Wednesday, 25 November, 2015 06:07
> To: orion565@yahoogroups.com
> Subject: [orion565] Discussion Point - What would you own if you didnt own an Orion
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> Guys, we just had a very robust discussion regarding dirty transmitters on the Omni VII group. In an effort to get people active in this group, I am asking the following question: If money was no object and you could own any radio what would it be?
>
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>
> I think I would buy another used Orion and perhaps try an ICOM 7800. What would be your choice?
>
>
>
> N5TF,
>
> Terry
>
>
>
>
> This email has been checked for viruses by Avast antivirus software.
> www.avast.com
>
>
>

11001. Re: Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-26 09:18:19 UTC
From: pa1ap@...
Topic: 10989 Message: 11001

I would love to own Orion II but truth being I am not active anymore... From technology point of view my dream goes towards SunSDR MB1...

MB1 High End DUC/DDC Transceiver - SunSDR.eu http://sunsdr.eu/product/mb1/

http://sunsdr.eu/product/mb1/

MB1 High End DUC/DDC Transceiver - SunSDR.eu http://sunsdr.eu/product/mb1/ The MB1 transceiver represents a new generation of amateur radio transceivers. MB1 combines classic design radio with the most advanced SDR technologies.

View on sunsdr.eu http://sunsdr.eu/product/mb1/
Preview by Yahoo

11002. Re: Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-26 10:11:29 UTC
From: pa5mw@...
Topic: 10989 Message: 11002

Having used the combo K3+P3 at a friend's home I would opt for the Elecrafts. But only had I not known about the existence of the TT ORION.

But the ORION still offers a much better user interface and more pleasure for me.

I just swapped to my 2004 ORION, which was on loan at clubstation PI4TUE (now SK), because my OII needs a new battery and I presume a new TX/RX relay.
The old ORION works very nice. I will consider selling my OII as there is no room for both.

73 Mark, PA5MW

11003. Re: [orion565] Re: Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-26 10:23:37 UTC
From: Barry N1EU
Topic: 10989 Message: 11003

I totally agree on SunSDR MB1 but I wish it had dual ADC/receivers. But since it's a cost no object discussion, sure I'll have a SunSDR MB1 AND a Flex 6700.

If the K3S had an Orion front panel, I'd be interested in it.

73, Barry N1EU

On Thu, Nov 26, 2015 at 9:18 AM, pa1ap@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I would love to own Orion II but truth being I am not active anymore...
> From technology point of view my dream goes towards SunSDR MB1...
>
>
> MB1 High End DUC/DDC Transceiver - SunSDR.eu
> <http://sunsdr.eu/product/mb1/>
> [image: image] <http://sunsdr.eu/product/mb1/>
> MB1 High End DUC/DDC Transceiver - SunSDR.eu
> <http://sunsdr.eu/product/mb1/>
> The MB1 transceiver represents a new generation of amateur radio
> transceivers. MB1 combines classic design radio with the most advanced SDR
> technologies.
> View on sunsdr.eu <http://sunsdr.eu/product/mb1/>
> Preview by Yahoo
>
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11004. Re: Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-26 12:34:04 UTC
From: n5tf@...
Topic: 10989 Message: 11004

I have the great fortune of owning an Orion II with 366 subreceiver and an Orion 1. The thing I like about the Orions are that they are simple to operate but yet have the right amount of features to make them just right!

Seems the K3s are getting a lot of votes. I don't know if I could operate a radio that size. I have fingers like sausages and I am afraid they would be bothersome on that small landscape.

Thanks to Barry and others that helped me troubleshoot my Orion Subreceiver issue. BTW my 366 is loaded with filters, can't believe how quite these receivers are, too bad Tentec only made a few. I feel bad for other Orion owners that don't have the 366.

Happy Thanksgiving guys!

N5TF. Terry

11005. Re: Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-26 12:49:19 UTC
From: n5tf@...
Topic: 10989 Message: 11005

Perhaps also a Flex 6700 for me. Have a 5000 now. I previously had a 6300 and lost patience with pace of software release. But heard all is good now. Very nice radios with fantastic customer support.

N5TF, Terry

11006. Re: [orion565] Re: Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-26 14:56:35 UTC
From: Barry N1EU
Topic: 10989 Message: 11006

If I could only have one single radio in the shack, cost no object, it would be an Orion II with RX366 subreceiver, seriously. That will only change when someone comes out with a direct sampling SDR with dual rx inside a box with knobs and that doesn't look like it's going to happen anytime soon. Maybe a Flex 6700/Maestro combination but we'll have to wait and see. And the $8500 price in reality is hard to digest.

73, Barry N1EU

On Thu, Nov 26, 2015 at 12:49 PM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Perhaps also a Flex 6700 for me. Have a 5000 now. I previously had a
> 6300 and lost patience with pace of software release. But heard all is
> good now. Very nice radios with fantastic customer support.
>
>
> N5TF, Terry
>
>
>

11007. Re: [orion565] Re: Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-26 16:33:28 UTC
From: Jim Koshmider
Topic: 10989 Message: 11007

The 565 is hard to replace - even with a 566. Of the two, I still prefer the 565.
As for another radio, my guess is that I would go with the FT-5000. Not the IC-7800, and not the Heiberling. And for several reasons, I just can't adjust to the Elecraft K-3.
YMMV -
73,
Jim, K8OZ

On Thursday, November 26, 2015 7:56 AM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:

  If I could only have one single radio in the shack, cost no object, it would be an Orion II with RX366 subreceiver, seriously. That will only change when someone comes out with a direct sampling SDR with dual rx inside a box with knobs and that doesn't look like it's going to happen anytime soon. Maybe a Flex 6700/Maestro combination but we'll have to wait and see. And the $8500 price in reality is hard to digest.
73, Barry N1EU
On Thu, Nov 26, 2015 at 12:49 PM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:

  Perhaps also a Flex 6700 for me. Have a 5000 now. I previously had a 6300 and lost patience with pace of software release. But heard all is good now. Very nice radios with fantastic customer support.
N5TF, Terry

11008. Re: [orion565] Re: Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-26 17:05:35 UTC
From: Mike Schatzberg
Topic: 10989 Message: 11008

Since I am a knob and button pusher, maybe a Flex 6700/Maestro combination is the way to go.

Their software seems to be keeping up and maturing all the time.

Now I'm not sure about whether there is enough computing power on board this combination to handle logging also, but if you can run HRD or one of the other top choices this makes a complete station without a computer.

The idea of a 4 pound wires free with WiFi complete station is certainly compelling. The simplicity of the remote SDR operation including the Maestro control seems to be impossible to beat if it can handle logging as well.

And yes, I love my O2, although I am running ver 3.029 still. It works brilliantly, I hope I am not missing improved performance by not running the latest, but this version is really excellent.

73,

Mike
W2AJI

Sent from my iPhone

> On Nov 26, 2015, at 9:56 AM, Barry N1EU barry.n1eu@gmail.com [orion565] <orion565@yahoogroups.com> wrote:
>
> Maybe a Flex 6700/Maestro combination

11009. Re: [orion565] Re: Discussion Point - What would you own if you didnt own an Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-26 17:12:43 UTC
From: Barry N1EU
Topic: 10989 Message: 11009

I agree about 565 vs 566. I slightly prefer the 565 (mostly in terms of rx sound) but in terms of ownership I give the nod to the 566 because of its better reliability (I sold my 565 and kept my 566).

Barry N1EU

On Thu, Nov 26, 2015 at 4:33 PM, Jim Koshmider k8oz1@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
>
> The 565 is hard to replace - even with a 566. Of the two, I still prefer
> the 565.
>
> As for another radio, my guess is that I would go with the FT-5000. Not
> the IC-7800, and not the Heiberling. And for several reasons, I just can't
> adjust to the Elecraft K-3.
>
> YMMV -
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> 73,
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> Jim, K8OZ
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> On Thursday, November 26, 2015 7:56 AM, "Barry N1EU barry.n1eu@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
>
> If I could only have one single radio in the shack, cost no object, it
> would be an Orion II with RX366 subreceiver, seriously. That will only
> change when someone comes out with a direct sampling SDR with dual rx
> inside a box with knobs and that doesn't look like it's going to happen
> anytime soon. Maybe a Flex 6700/Maestro combination but we'll have to wait
> and see. And the $8500 price in reality is hard to digest.
>
> 73, Barry N1EU
>
> On Thu, Nov 26, 2015 at 12:49 PM, n5tf@yahoo.com [orion565] <
> orion565@yahoogroups.com> wrote:

>
>
> Perhaps also a Flex 6700 for me. Have a 5000 now. I previously had a
> 6300 and lost patience with pace of software release. But heard all is
> good now. Very nice radios with fantastic customer support.
>
> N5TF, Terry
>
>
>
>
>
>

11010. Re: Orion 565 voltages

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-26 18:09:11 UTC
From: Wes Attaway (N5WA)
Topic: 11010 Message: 11010

Is there a chart or list somewhere that shows what the "baseline" voltages should be at various points in the 565?

I can see the nominal voltages marked on some of the terminal points but I am curious as to what they should be under "load" and "no load" conditions.

I am having a problem with the antenna tuner working some of the time and not other times. It seems to work fine for about 2-hours after the radio is turned on (after being off, say, for overnight). After about 2-hours the tuner just stops working although the radio is working fine, as far as I can tell.

Also, if I take the covers off and turn the radio on end the tuner works for "longer" than 2-hours (maybe 4-hours or so).

The radio seems to need to be "off" for quite a few hours before the tuner will resume working properly. Turning off and then on after a few minutes or an hour or so is not long enough.

This makes me think there is some kind of heat issue, which has been mentioned in the Wiki referring to the capacitors on the A9 board. I am getting ready to pull that board out and replace the capacitors in spite of the fact that I see no signs of "stress" (bulging lids, etc) and the nominal voltages that I measure seem to be OK. The voltages do drop to some extent under load at various points that I have measured but I have no way of knowing what the acceptable range is.

I have checked the voltage from the external Antec power supply and it is fine under load (measured at the Orion chassis connector socket), so I have ruled this out as a suspect.

I have, of course, been through the entire radio cleaning and re-seating plugs and cables. Every front panel control is working fine as well as the LCD screen. I see no problems at all other than the weird antenna tuner behavior.

I did call TenTec and they suggested changing the battery on the tuner board, which I did, and it made no difference. They wanted to know if I could see "power out" when I pushed the tuner button and I can see power (about 5-10W) on my Bird wattmeter.

Any ideas would be appreciated.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com <http://www.attawayforensics.com>

11011. Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-30 21:29:11 UTC
From: pinoleronica@...
Topic: 10840 Message: 11011

Today, is November 30, 2015...Since around the beginning of the month I've been asking for status updates to RKR designs, aka, TenTec. To make a story short here, I was told in separate emails here and there:

- that the part was being ordered (RS-232 chip)
- that the part had been received
- that the part is being placed on the Orion I,... then last week, Wednesday, before the Thanksgiving holiday I received a rare email...read on:

"The RS-232 chip has been replaced but the Orion still has transmit and receive problems. The DC power connector has been replaced with a power pole and the reverse polarity diode has been removed. We feel that the DC has been reversed and that is causing the problems with the transmit and receive. We are not sure that the problems with the Orion can be repaired economically."

Wow! For starters, the radio did not have RX issues when it went to the hospital. The DC power connector was replaced by "yours truly." I do not understand this part as the radio had been working perfectly on RX (filters, audio, etc.) up to the point when the RS232 got messed up! Now the radio cannot be repaired economically... it is in worst shape than when it went in.

Despite follow up emails / voice mails voicing my disappointment here I am waiting on replies...

The Orion I is done!

Respectfully,

Rafael / NN3RP

11012. Re: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-11-30 22:11:04 UTC
From: Tony
Topic: 10840 Message: 11012

Rafael,

I don't think they meant that "they" replaced the connector with a power pole. It was an observation statement. If you removed the reverse polarity protection diode, which only you can ☐confirm, they would draw a conclusion that reverse power had been applied. ? I guess it's up to you to refute that statement. I wish you luck and hope it will be resolved.

73, Tony VE3DWI.

Sent?from?my?BlackBerry?10?smartphone?on?the?Bell?network.

From: pinoleronica@... [orion565]
Sent: Monday, November 30, 2015 16:29
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Subject: [orion565] Re: Serial Port down Orion 1

?

Today, is November 30, 2015...Since around the beginning of the month I've been asking for status updates to RKR designs, aka, TenTec. ? To make a story short here, I was told in separate emails here and there:

- that the part was being ordered (RS-232 chip)
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"The RS-232 chip has been replaced but the Orion still has transmit and receive problems. The DC power connector has been replaced with a power pole and the reverse polarity diode has been removed. We feel that the DC has been reversed and that is causing the problems with the transmit and receive. We are not sure that the problems with the Orion can be repaired economically." ?

Wow! ?For starters, the radio did not have RX issues when it went to the hospital. ? The DC power connector was replaced by "yours truly." ?I do not understand this part as the radio had been working perfectly on RX (filters, audio, etc.) up to the point when the RS232 got messed up! ? Now the radio cannot be repaired economically... it is in worst shape than when it went in.

Despite follow up emails / voice mails voicing my disappointment here I am waiting on replies...?

The Orion I is done! ?

Respectfully,?

Rafael / NN3RP

11013. Re: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-01 11:24:57 UTC
From: pinoleronica@...
Topic: 10840 Message: 11013

Thanks for your observation, Tony. I am waiting for someone to call me so I can tell them that I did not remove any reverse polarity component...as I mentioned the radio was fine in RX when it left my qth.

11014. What size screws for rear and sides of 565 enclosure?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-01 18:45:50 UTC
From: katz.ajamas@...
Topic: 11014 Message: 11014

I finally scared up an enclosure for my basket case Orion project.
Can someone tell me what size screws are used as rear and side fasteners on the 565.
Thanks!

73, Bob AH7I

PS. If anyone is interested in swapping an Argonaut for this 565, I've been hiking a lot in GA and HI the past 6 months and am down from 242lb to 212lb. With 30lb gone from the pack, I'm thinking it would do me good incorporate SOTA activations with hiking.

11015. Orion 2 computer software

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-02 13:20:07 UTC
From: thorntonbryon8771@...
Topic: 11015 Message: 11015

What is the best program to get with the Orion 2 for my computer ? Example waterfall display etc ?????

11016. Re: [orion565] Orion 2 computer software

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-02 13:38:27 UTC
From: Barry N1EU
Topic: 11015 Message: 11016

I recommend adding the 9MHz i.f. output mod:
http://www.tentecwiki.org/lib/exe/fetch.php?media=9mhz_if.pdf

Feed the output to LP-PAN and run NaP3 software: http://www.hb9joi.ch/

I believe I had the best luck with NaP3-v.4.0.0. RC1
<http://www.hb9joi.ch/5/NaP3-v4.0-RC1.zip> - here's a panadapter image:
http://www.tentecwiki.org/lib/exe/fetch.php?cache=&media=orionpan3.jpg

Another option is to wire in a receive antenna output and feed it to an SDR receiver with panadapter software that tracks the Orion frequency. But I've never tried this.

73, Barry N1EU

On Wed, Dec 2, 2015 at 8:20 AM, thorntonbryon8771@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> What is the best program to get with the Orion 2 for my computer ? Example
> waterfall display etc ?????
>
>
>

11017. Re: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-04 03:07:49 UTC
From: pinoleronica@...
Topic: 10840 Message: 11017

Orion I is coming back home! Sadly, though, worst shape than when it went in for service and @ $260 (including shipping)...ouuuch!!! ..."We are not sure that the problems with the Orion can be repaired economically. economically, economically..." that last word is still echoing on my mind....
:(

Rafael / NN3RP

11018. Re: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-04 04:12:43 UTC
From: Paul Dulaff
Topic: 10840 Message: 11018

Rafael

Very sad. Pay $260.00 to incompetents that power up your radio backwards and damage it.

Hope Arek can get the radio worked out.

Good Luck.

Paul - WB2NMI

----- Original Message -----
From: pinoleronica@... [orion565] <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Thu, 03 Dec 2015 22:07:49 -0500 (EST)
Subject: Re: [orion565] Re: Serial Port down Orion 1

Orion I is coming back home! Sadly, though, worst shape than when it went in for service and @ $260 (including shipping)...ouuuch!!! ..."We are not sure that the problems with the Orion can be repaired economically. economically, economically..." that last word is still echoing on my mind....
:(

Rafael / NN3RP

11019. 60 meters

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-05 14:36:57 UTC
From: thorntonbryon8771@...
Topic: 11019 Message: 11019

Can you access 60 meters on orion 2 and how ? Thanks

11020. RE: [orion565] 60 meters

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-05 14:46:24 UTC
From: Torrey Mitchell
Topic: 11019 Message: 11020

This post from Jim Henry has been all over the Alpha Amp list.

His update indicates that RKR has sold TenTec to an as yet unnamed buyer,

It sounds exciting!

PDF copy of the post from Jim Henry is attached.

73 Torrey N9PY

[Non-text portions of this message have been removed]

11021. RKR Sells TenTec to New Owner?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-05 15:01:45 UTC
From: torreym@...
Topic: 11021 Message: 11021

This discussion has been the hot topic of the Alpha Amp list. Haven't seen it here.

There is a very credible long post by Jim Henry sent on December 3rd. It is exciting for TenTec!

Have a look...

[TenTec] Status http://lists.contesting.com/_tentec/2015-12/msg00013.html

[TenTec] Status http://lists.contesting.com/_tentec/2015-12/msg00013.html I wanted to bring people up to date on what is happening right now. I had a discussion with the new owner last night, and I wanted to relay some information.

View on lists.contesting.com http://lists.contesting.com/_tentec/2015-12/msg00013.html
Preview by Yahoo

73 Torrey N9PY

11022. Re: [orion565] 60 meters

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-05 15:19:06 UTC
From: Peter Frenning [OZ1PIF]
Topic: 11019 Message: 11022

Den 05-12-2015 kl. 15:36 skrev thorntonbryon8771@... [orion565]:
>
>
> Can you access 60 meters on orion 2 and how ? Thanks
>
> __·_’_
>
Numeric "0" also labeled "60" gives full VFO access to the entire band,
all modes. If you are unfortunate enough to operate from a country
limiting you to a few channels - it's your responsibility!

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** If it sounds too good to be true -- **
** it is! **
** If it sounds about right -- make **
** sure you can afford to be wrong! **
** **
** -- Robert Heinlein: **
** "Time enough for love" **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239/ +45 2332 9464
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

11023. Ten Tec Status

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-05 15:23:02 UTC
From: n5tf@...
Topic: 11023 Message: 11023

John Henry recently sent out status of Ten Tec. New Owners looking to turn company back to making top shelf Ham Gear. Seeking commitments from Ham community. I for one will be supporting the new venture. John, if you are listening count me in on the Orion III project.

N5TF,
Terry

11024. Re: [orion565] RKR Sells TenTec to New Owner?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-05 15:26:33 UTC
From: catfishtwo@...
Topic: 11021 Message: 11024

excellent, lets do this !! tom N6AJR

In a message dated 12/5/2015 7:01:47 A.M. Pacific Standard Time,
orion565@yahoogroups.com writes:

This discussion has been the hot topic of the Alpha Amp list. Haven't
seen it here.

There is a very credible long post by Jim Henry sent on December 3rd. It
is exciting for TenTec!

Have a look...

[TenTec] Status
(http://lists.contesting.com/_tentec/2015-12/msg00013.html)

_[TenTec] Status _
(http://lists.contesting.com/_tentec/2015-12/msg00013.html)
I wanted to bring people up to date on what is happening right now. I had
a discussion with the new owner last night, and I wanted to relay some
information.

_V iew on lists.contesting.com _
(http://lists.contesting.com/_tentec/2015-12/msg00013.html)
Preview by Yahoo

73 Torrey N9PY

11025. Re: [orion565] Ten Tec Status

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-05 15:36:42 UTC
From: amfone
Topic: 11023 Message: 11025

Me too I will by TT and want to see a new Orion rig.
Tim WB8UHZ

On Saturday, December 5, 2015 3:23 PM, "n5tf@... [orion565]" <orion565@yahoogroups.com> wrote:

John Henry recently sent out status of Ten Tec. New Owners looking to turn company back to making top shelf Ham Gear. Seeking commitments from Ham community. I for one will be supporting the new venture. John, if you are listening count me in on the Orion III project.
N5TF,Terry

11026. Re: [orion565] Ten Tec Status

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-05 15:42:52 UTC
From: thorntonbryon8771@yahoo.com
Topic: 11023 Message: 11026

Count me in too. What some new radios
Sent from my Verizon 4G LTE Smartphone
------ Original message------From: n5tf@... [orion565] Date: Sat, Dec 5, 2015 10:23 AMTo: orion565@yahoogroups.com;Cc: Subject:[orion565] Ten Tec Status
  John Henry recently sent out status of Ten Tec. New Owners looking to turn company back to making top shelf Ham Gear. Seeking commitments from Ham community. I for one will be supporting the new venture. John, if you are listening count me in on the Orion III project.
N5TF,Terry

11027. RE: [orion565] 60 meters

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-05 15:46:32 UTC
From: Andrew B Steen
Topic: 11019 Message: 11027

You access 60 M by pressing the 60M (0) key.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Saturday, December 05, 2015 6:37 AM
To: orion565@yahoogroups.com
Subject: [orion565] 60 meters

Can you access 60 meters on orion 2 and how ? Thanks

11028. Re: [orion565] RKR Sells TenTec to New Owner?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-05 17:26:10 UTC
From: thorntonbryon8771@yahoo.com
Topic: 11021 Message: 11028

Anyone have the post ?
Sent from my Verizon 4G LTE Smartphone
------ Original message------From: torreym@... [orion565] Date: Sat, Dec 5, 2015 10:01 AMTo: orion565@yahoogroups.com;Cc: Subject:[orion565] RKR Sells TenTec to New Owner?
  This discussion has been the hot topic of the Alpha Amp list. Haven't seen it here.

There is a very credible long post by Jim Henry sent on December 3rd. It is exciting for TenTec!

Have a look...

[TenTec] Status [TenTec] Status I wanted to bring people up to date on what is happening right now. I had a discussion with the new owner last night, and I wanted to relaysome information. View on lists.contesting.com Preview by Yahoo   73 Torrey N9PY

11029. Re: [orion565] RKR Sells TenTec to New Owner?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-05 19:41:58 UTC
From: Torrey Mitchell
Topic: 11021 Message: 11029

Click on the words "Tentec Status" below.

>
> Anyone have the post ?
>
> Sent from my Verizon 4G LTE Smartphone
>
> ------ Original message------
> From: torreym@... [orion565]
> Date: Sat, Dec 5, 2015 10:01 AM
> To: orion565@yahoogroups.com;
> Cc:
> Subject:[orion565] RKR Sells TenTec to New Owner?
>
>
> This discussion has been the hot topic of the Alpha Amp list. Haven't seen it here.
>
> There is a very credible long post by Jim Henry sent on December 3rd. It is exciting for TenTec!
>
> Have a look...
>
> [TenTec] Status
>
> [TenTec] Status
> I wanted to bring people up to date on what is happening right now. I had a discussion with the new owner last night, and I wanted to relaysome information.
> View on lists.contesting.com
> Preview by Yahoo
>
>
> 73 Torrey N9PY
>

11030. Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-08 13:07:37 UTC
From: pinoleronica@...
Topic: 10840 Message: 11030

It came back home yesterday, deaf!!! Can't hear a thing on HF via Main RX. SubRX can hear some strong broadcasting stations. Meter pin does not move at all. It feels as if there is no antenna connected....all of these was working perfectly prior to sending it to them.... And finally, the RS232 chip (a $3 part) which was suppose to be fixed by it is not working (original reason for sending it)...the radio still does not communicate with PC..... all a waste of money and time (close to 3 months)...

farewell to an Orion I...too bulky to be used as a door stop.

Rafael / NN3RP

11031. RE: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-08 13:43:59 UTC
From: Duane Calvin
Topic: 10840 Message: 11031

Not making excuses, but it could be that something happened (it was dropped?) during shipment to them or back to you. Whatever the cause, I feel your pain . . .

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, December 8, 2015 7:08 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Serial Port down Orion 1

It came back home yesterday, deaf!!! Can't hear a thing on HF via Main RX. SubRX can hear some strong broadcasting stations. Meter pin does not move at all. It feels as if there is no antenna connected....all of these was working perfectly prior to sending it to them.... And finally, the RS232 chip (a $3 part) which was suppose to be fixed by it is not working (original reason for sending it)...the radio still does not communicate with PC..... all a waste of money and time (close to 3 months)...

farewell to an Orion I...too bulky to be used as a door stop.

Rafael / NN3RP

11032. RE: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-08 13:52:03 UTC
From: pinoleronica@...
Topic: 10840 Message: 11032

No, Duane...it's TT fault.

11033. What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-10 20:46:22 UTC
From: wb0cff@...
Topic: 11033 Message: 11033

I saw the interesting discussion on what rig you'd buy if money was no object. Since we are dreaming and there have been hints on the possibility of an Orion III, what about features added in a hypothetical Orion III?

For my part, I'd like to see a minimal Eagle-like display, at most, on the rig, but a HDMI port on the back of the rig. This gets you away from dependence on a proprietary LCD screen that may become difficult to replace shortly. Support for HDMI touch screen and audio would be nice.

Since the 565 and 566 both were ultimately threatened by end-of-life on the processors, is there a method of putting the processor(s) on a daughter board that would allow for a drop in replacement daughter board to make the over-all design more survivable?

Dual RX is a must have.

A more robust power connector would be desirable.

Price range for an off the shelf (before added options)?

Your thoughts please?

Carl WB0CFF

11034. Re: [orion565] What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-10 21:04:56 UTC
From: Barry N1EU
Topic: 11033 Message: 11034

I want a huge LCD display, showing me all the rx and tx settings at a glance along with a beautiful panadapter. Either a K3S +P3 in a big box or a Flex 6700/Maestro in a big box.

Barry N1EU

On Thu, Dec 10, 2015 at 8:46 PM, wb0cff@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I saw the interesting discussion on what rig you'd buy if money was no
> object. Since
>
> we are dreaming and there have been hints on the possibility of an Orion
> III, what about
>
> features added in a hypothetical Orion III?
>
>
> For my part, I'd like to see a minimal Eagle-like display, at most, on the
> rig, but a HDMI
>
> port on the back of the rig. This gets you away from dependence on a
> proprietary LCD
>
> screen that may become difficult to replace shortly. Support for HDMI
> touch screen
>
> and audio would be nice.
>
>
> Since the 565 and 566 both were ultimately threatened by end-of-life on
> the processors,
>
> is there a method of putting the processor(s) on a daughter board that
> would allow for
>
> a drop in replacement daughter board to make the over-all design more
> survivable?
>
>
> Dual RX is a must have.
>
>
> A more robust power connector would be desirable.

>
>
> Price range for an off the shelf (before added options)?
>
>
> Your thoughts please?
>
>
> Carl WB0CFF
>
>
>

11035. Re: [orion565] What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-10 21:09:48 UTC
From: <k3cc@...>
Topic: 11033 Message: 11035

While we are talking about needs on new transceiver, how about 2 front ports minimum Port 1 fresh hot coffee, a need for contester's
Port 2 Beer tap, for ice cold beer, for on those days when DX is poor, or substitute your favorite soda on tap......

Hell, all you need is on/off, volume, the rest can be on a big screen TV with touch sensitivity.... If money is NO object, a fine young thing to go along as a experienced operator/ELMER

de Skip K3CC

My 565 works, but the display is very slow illuminating it has thousands of hours since I bought it around 2000

From: wb0cff@... [orion565]
Sent: Thursday, December 10, 2015 3:46 PM
To: orion565@yahoogroups.com
Subject: [orion565] What features would your ideal Orion 3 offer?

I saw the interesting discussion on what rig you'd buy if money was no object. Since

we are dreaming and there have been hints on the possibility of an Orion III, what about

features added in a hypothetical Orion III?

For my part, I'd like to see a minimal Eagle-like display, at most, on the rig, but a HDMI

port on the back of the rig. This gets you away from dependence on a proprietary LCD

screen that may become difficult to replace shortly. Support for HDMI touch screen

and audio would be nice.

Since the 565 and 566 both were ultimately threatened by end-of-life on the processors,

is there a method of putting the processor(s) on a daughter board that would allow for

a drop in replacement daughter board to make the over-all design more survivable?

Dual RX is a must have.

A more robust power connector would be desirable.

Price range for an off the shelf (before added options)?

Your thoughts please?

Carl WB0CFF

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11036. Re: [orion565] What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-10 21:17:03 UTC
From: wb0cff@...
Topic: 11033 Message: 11036

Hello Barry,

I agree on the big box part for certain. The part I like about my current panadapter that I run on my 565/RX366 is the point and click QSY capability that either NaP3 or N4PY in concert with NaP3 offers, If the panadapter was part of the rig I'd hope there was a way to have that.

By the way, you sure had a nice big signal into MN for the ARRL 160 CW.

73

Carl

11037. Re: [orion565] What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-10 21:25:56 UTC
From: Jim Warner
Topic: 11033 Message: 11037

All surrounded by a front panel and controls that don't look and feel
like a giant Cracker Jacks prize.
Jim WA9Z

On 12/10/2015 3:04 PM, Barry N1EU barry.n1eu@... [orion565] wrote:
> I want a huge LCD display, showing me all the rx and tx settings at a
> glance along with a beautiful panadapter. Either a K3S +P3 in a big box
> or a Flex 6700/Maestro in a big box.
>
> Barry N1EU
>
> On Thu, Dec 10, 2015 at 8:46 PM, wb0cff@...
> <mailto:wb0cff@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> __
>
> I saw the interesting discussion on what rig you'd buy if money was
> no object. Since
>
> we are dreaming and there have been hints on the possibility of an
> Orion III, what about
>
> features added in a hypothetical Orion III?
>
>
> For my part, I'd like to see a minimal Eagle-like display, at most,
> on the rig, but a HDMI
>
> port on the back of the rig. This gets you away from dependence on a
> proprietary LCD
>
> screen that may become difficult to replace shortly. Support for
> HDMI touch screen
>
> and audio would be nice.
>
>
> Since the 565 and 566 both were ultimately threatened by end-of-life
> on the processors,
>
> is there a method of putting the processor(s) on a daughter board
> that would allow for
>
> a drop in replacement daughter board to make the over-all design

> more survivable?
>
>
> Dual RX is a must have.
>
>
> A more robust power connector would be desirable.
>
>
> Price range for an off the shelf (before added options)?
>
>
> Your thoughts please?
>
>
> Carl WB0CFF
>
>
>

11038. Re: [orion565] What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-10 21:54:40 UTC
From: Barry N1EU
Topic: 11033 Message: 11038

Thanks Carl! I believe the K3/P3 and TS990 both can scroll through the panadapter by turning the knob and do a click/qsy

73, Barry N1EU

On Thu, Dec 10, 2015 at 9:17 PM, wb0cff@... [orion565] <orion565@...m> wrote:

>
>
> Hello Barry,
>
> I agree on the big box part for certain. The part I like about my
> current panadapter
> that I run on my 565/RX366 is the point and click QSY capability that
> either
> NaP3 or N4PY in concert with NaP3 offers, If the panadapter was part of
> the rig
> I'd hope there was a way to have that.
>
> By the way, you sure had a nice big signal into MN for the ARRL 160 CW.
>
> 73
>
> Carl
>
>
>

11039. Re: [orion565] What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-10 23:35:52 UTC
From: Phil Chambley Sr
Topic: 11033 Message: 11039

Here's my list for the O-III:

Dedicated RF Gain pot
HDMI port
Buffer/Amp on the 9 Mc IF, to RCA jack
Ten minute timer
Make PBT and BW two separate controls, toggle each for Hi/Lo Cut

Phil C. Sr.
k4dpk 1955

On 12/10/2015 3:46 PM, wb0cff@... [orion565] wrote:
>
> I saw the interesting discussion on what rig you'd buy if money was no
> object. Since
>
> we are dreaming and there have been hints on the possibility of an
> Orion III, what about
>
> features added in a hypothetical Orion III?
>
>
> For my part, I'd like to see a minimal Eagle-like display, at most, on
> the rig, but a HDMI
>
> port on the back of the rig. This gets you away from dependence on a
> proprietary LCD
>
> screen that may become difficult to replace shortly. Support for HDMI
> touch screen
>
> and audio would be nice.
>
>
> Since the 565 and 566 both were ultimately threatened by end-of-life
> on the processors,
>
> is there a method of putting the processor(s) on a daughter board that
> would allow for
>
> a drop in replacement daughter board to make the over-all design more
> survivable?
>
>
> Dual RX is a must have.
>

>
> A more robust power connector would be desirable.
>
>
> Price range for an off the shelf (before added options)?
>
>
> Your thoughts please?
>
>
> Carl WB0CFF
>
>

11040. Re: [orion565] What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-11 01:27:00 UTC
From: n5tf@...
Topic: 11033 Message: 11040

Carl, what are you using LP-PAN 2? Can you describe your setup to include sound card and software?

N5TF
Terry

11041. Orion Panadapter Setups

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-11 01:33:09 UTC
From: n5tf@...
Topic: 11041 Message: 11041

Carl, what are you using LP-PAN 2? Can you describe your setup to include sound card and software?
Anyone else enjoying a panadapter setup on an Orion?

N5TF Terry

11042. Re: What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-11 03:42:39 UTC
From: katz.ajamas@...
Topic: 11033 Message: 11042

the eagle has the proc on a little plug in SIMM mpodule 73, -Bob ah7i

11043. Re: Orion Panadapter Setups

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-11 14:38:10 UTC
From: Doug Waller
Topic: 11041 Message: 11043

Still enjoying my OII and would be thrilled with an OIII.

Last repair took 6 months. It was finally determined that when I uploaded the last Version, it eventually tried to use a part of the RAM that was defective. An earlier Version has now worked for months. Run full load Processor and Ram tests before shipping.

The Molex-looking power connector smoked. Replaced that with a 25A Power Pole connector which fit right in.

When the repaired OII arrived, both tuning knobs were wobbling. The shafts had been bent by a blow through the double boxing.

DL0AO OII complaints: Tuning knobs wobbled. Some encoders would not select desired numerical settings without much hit and miss adjusting. When such reports are publicized, a radio's marketing chances are permanently damaged.

OIII refinements:

A. HD power connector that LOCKS in place.
B. Modular construction for adding any needed upgrade any time. Arrange modules (cards) so each may be easily removed, without havingto remove other modules.
C. Built-in Self Testing to determine defective module. Modules couldbe shipped and tried, instead of shipping the radio back.
D. 200+W output. (could be optional)
E. Noise Reduction that actually works.
F. Molded styrofoam shipping protection frontand back.
G. Highest quality tuning knobs in both appearance and feel.
H. Tuning knob spacing. With main knob, my fingers hit the small knobs above it. Make main tuning knob the focal point of the radio.
I. Big box design with more dedicated knobs, especially RF gain.
J. Backing off menu DSP Taps really helps copy weak sigs on 160m in noisy condx. Unfortunately, backing off causes eventual"scrambling" of the DSP filter. Fix it.
K. Display too coarse .... needs more pixels to exude quality.
L. Add "Fast" button for quick tuning knob QSY.
M. Add easy "Auto Scan Between Limits".
N. Replace tuning knob felt pad loaders with simple shaft spring tension loader. My pads touched for 180°, then lost contact the other180°, causing uneven load while rotating. Removed mine.
O. Make SAF a separate feature from Notch, with no-toggle selection of parameters. Without SAF, I can nothear weak 160m sigs due to local frying noise. SAF is a great receiver feature.

P. Replace RCA Receive-Only jack with SMA-style that will not easilydisconnect or leak noise in.
Q. Move display out to prevent view blocking from above.
R. Copy success. The K-3 is a homebrew looking radio with few dedicated knobs, but sells very well. Copy their modular, on-demand, pay as you go architecture, add Good Looking Big Box.
S. Return friendly, fast, famous Ten Tec service.

An easy test for a new OIII's viability, would be to compare it side by side with a popular big radio. Lose the homebrew look, make the knob "feel" the finest, and add features that are standard on other models.

Here's hoping ..... 73, Doug / Nx4d

11044. Re: What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-11 15:09:01 UTC
From: N4BE_Jim@yahoo.com
Topic: 11033 Message: 11044

--USB port instead of the old DB-9.
--More sensitive AUX input port. Currently requires a high 6dB level, which is out of reach of Navigator and maybe other external sound devices.
--Mute the Mic input when radio is keyed from Aux jack to prevent mic from picking up noise when running data modes.

Sent from my iPad

11045. Re: [orion565] Re: What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-11 16:02:39 UTC
From: Barry N1EU
Topic: 11033 Message: 11045

On Fri, Dec 11, 2015 at 10:09 AM, 'N4BE_Jim@...' n4be_jim@...
[orion565] <orion565@yahoogroups.com> wrote:

> --Mute the Mic input when radio is keyed from Aux jack to prevent mic from
> picking up noise when running data modes.
>
> How does the radio know it's being "keyed" from Aux jack?

N1MM Logger actually has this feature with the Orion. They do it in
software.

Barry N1EU

11046. Fw: important message

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-14 02:48:08 UTC
From: <davisent@...>
Topic: 11046 Message: 11046

Hello!

New message, please read <http://imsomemphis.us/common.php?xcwi>

davisent@...

11047. Re: What features would your ideal Orion 3 offer?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-14 11:58:04 UTC
From: pa5mw@...
Topic: 11033 Message: 11047

My priority list is what I believe is all about optimizing reproduction of received audio:

- state of the art LO (extremely low phase noise)

- constant group delay

- selectable IF filter-shape; pure analog-rounded like the TT565, or like the TS590 with its rounded edges

- Low distortion/Low noise AF section

- true diversity reception

Testing, benchmarking:

- Use modulated test signals (not dead carriers) to verify reproduction of received signals
- Compare against analog like Elecraft K2(inc analog filter but non-dsp) or Drake R-4C(inc Sherwood mods)

73 Mark, PA5MW

11048. re: New Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-14 13:10:04 UTC
From: <k3cc@...>
Topic: 238 Message: 11048

The Orion is a fine rig..... My main concern is the "multi" control and the poor quality of some of the components....
I have issues with the Main AF, Multi, and the main VFO A....I have to tap on them some times....The other problem was the power plug, very poor..... The Auto tuner "junk".....These are poor selection of parts..... When I first bought my Orion I was very disappointed because of the transmit audio.....After a discussion with Bob Heil I found out why I had problems.....The second firmware the audio was better.....

New items: I would like to have a cross between and SDR and a Stand alone rig.....The SDR would offer open architecture for consumer up grades and the stand alone could have current firmware development..... The SDR would allow us to use a sound card and remote computer to control the rig and tweak individual points... Sort of a customized to personal taste rig.....

The display is also a concern... Over all the components were cheap... Many had to be replaced....

de Skip K3CC

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https://www.avast.com/antivirus

11049. Re: [orion565] re: New Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-14 13:21:23 UTC
From: Barry N1EU
Topic: 238 Message: 11049

I have to generally agree that the Orion I seems to have some reliability issues as it ages, more than expected.

The encoder issue tends to plague most 565's but it's generally due to the connectors, not the encoders themselves, resulting in intermittent operation. The only possible fix, and it did work for me, was applying silver conductive grease to the connectors. This is all described on tentecwiki.org

Barry N1EU

On Mon, Dec 14, 2015 at 8:10 AM, k3cc@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> The Orion is a fine rig..... My main concern is the "multi" control and
> the poor quality of some of the components....
> I have issues with the Main AF, Multi, and the main VFO A....I have to tap
> on them some times....The other problem was the
> power plug, very poor..... The Auto tuner "junk"......These are poor
> selection of parts..... When I first bought my Orion I was
> very disappointed because of the transmit audio.....After a discussion
> with
> Bob Heil I found out why I had problems.....The second
> firmware the audio was better......
>
> New items: I would like to have a cross between and SDR and a Stand alone
> rig.....The SDR would offer open architecture for consumer
> up grades and the stand alone could have current firmware development.....
> The SDR would allow us to use a sound card and remote computer
> to control the rig and tweak individual points... Sort of a customized to
> personal taste rig.....
>
> The display is also a concern... Over all the components were cheap...
> Many
> had to be replaced....
>
> de Skip K3CC
>
> ---
> This email has been checked for viruses by Avast antivirus software.
> https://www.avast.com/antivirus
>
>
>

11050. RE: [orion565] re: New Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-14 13:43:37 UTC
From: Andrew B Steen
Topic: 238 Message: 11050

WOW!

Sounds like you got a lemon Skip.

I bought my O II new in 2007, and have never had an issue with any of the items you list.

My audio reports have always been top notch too, although I use an EV RE-27 for the mic.

The firmware upgrades have improved the overall performance.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, December 14, 2015 5:10 AM
To: orion565@yahoogroups.com
Subject: [orion565] re: New Orion

The Orion is a fine rig..... My main concern is the "multi" control and the poor quality of some of the components....
I have issues with the Main AF, Multi, and the main VFO A....I have to tap on them some times....The other problem was the
power plug, very poor..... The Auto tuner "junk"......These are poor selection of parts..... When I first bought my Orion I was
very disappointed because of the transmit audio.....After a discussion with Bob Heil I found out why I had problems.....The second
firmware the audio was better......

New items: I would like to have a cross between and SDR and a Stand alone rig.....The SDR would offer open architecture for consumer
up grades and the stand alone could have current firmware development.....
The SDR would allow us to use a sound card and remote computer
to control the rig and tweak individual points... Sort of a customized to personal taste rig.....

The display is also a concern... Over all the components were cheap... Many had to be replaced....

de Skip K3CC

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11051. Re: [orion565] re: New Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-14 14:12:19 UTC
From: Barry N1EU
Topic: 238 Message: 11051

Skip's posting was about the Orion 565, NOT the Orion II 566.

Barry N1EU

On Mon, Dec 14, 2015 at 8:43 AM, 'Andrew B Steen' n2gff@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> WOW!
>
> Sounds like you got a lemon Skip.
>
> I bought my O II new in 2007, and have never had an issue with any of the
> items you list.
>
> My audio reports have always been top notch too, although I use an EV
> RE-27 for the mic.
>
> The firmware upgrades have improved the overall performance.
>
> Andrew
>
> K6STN
>
>
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Monday, December 14, 2015 5:10 AM
> *To:* orion565@yahoogroups.com
> *Subject:* [orion565] re: New Orion
>
>
>
>
>
>
> The Orion is a fine rig..... My main concern is the "multi" control and
> the poor quality of some of the components....
> I have issues with the Main AF, Multi, and the main VFO A....I have to tap
> on them some times....The other problem was the
> power plug, very poor..... The Auto tuner "junk"......These are poor
> selection of parts..... When I first bought my Orion I was
> very disappointed because of the transmit audio.....After a discussion
> with
> Bob Heil I found out why I had problems.....The second
> firmware the audio was better......

>
> New items: I would like to have a cross between and SDR and a Stand alone
> rig.....The SDR would offer open architecture for consumer
> up grades and the stand alone could have current firmware development.....
> The SDR would allow us to use a sound card and remote computer
> to control the rig and tweak individual points... Sort of a customized to
> personal taste rig.....
>
> The display is also a concern... Over all the components were cheap...
> Many
> had to be replaced....
>
> de Skip K3CC
>
> ---
> This email has been checked for viruses by Avast antivirus software.
> https://www.avast.com/antivirus
>
>
>

11052. Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-15 02:03:32 UTC
From: pinoleronica@...
Topic: 10840 Message: 11052

I am happy to report that the Orion I has been fixed and it will soon come back home to be embraced...No, it was not TT who resuscitated it, please. TT said at the end of 3-months wait, what are those three words... "economically not fixable."

It took this person no time to determine what was wrong. Nothing extraordinary was done to fix the RX/TX / RS232, if one knows what is looking for.

I give my thanksgiving to an honest, diligent, unselfish ham op who tackled the repairs of my venerable unsurpassed Orion I...Amen.

Rafael / NN3RP
Nation's Capital

11053. Re: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-15 02:23:05 UTC
From: Tony Lelieveld
Topic: 10840 Message: 11053

Congratulations Rafael. It is a great relief I am sure. Whomever fixed it is a life saver hi... hi. Is it possible to mention what was wrong or what needed to be done to fix it? some other poor ham with a similar problem may benefit from it. Unless it is a secret, inquiring minds want to know. I own an Orion-II purchased in 2007 and, nock on Wood hi... hi, it is still going strong.
73, Tony VE3DWI.

----- Original Message -----
From: pinoleronica@... [orion565]
To: orion565@yahoogroups.com
Sent: Monday, December 14, 2015 9:03 PM
Subject: [orion565] Re: Serial Port down Orion 1

I am happy to report that the Orion I has been fixed and it will soon come back home to be embraced...No, it was not TT who resuscitated it, please. TT said at the end of 3-months wait, what are those three words... "economically not fixable."

It took this person no time to determine what was wrong. Nothing extraordinary was done to fix the RX/TX / RS232, if one knows what is looking for.

I give my thanksgiving to an honest, diligent, unselfish ham op who tackled the repairs of my venerable unsurpassed Orion I...Amen.

Rafael / NN3RP
Nation's Capital

11054. Re: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-15 02:25:16 UTC
From: k9uw@...
Topic: 10840 Message: 11054

Rafael, can you share what the cure turned out to be? I know of at least one other Orion with a non-functioning serial port.

73, de Mike, K9UW
Amherst, WI

------ Original Message ------
From: "pinoleronica@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: 12/14/2015 8:03:32 PM
Subject: [orion565] Re: Serial Port down Orion 1

>
>I am happy to report that the Orion I has been fixed and it will soon
>come back home to be embraced...No, it was not TT who resuscitated it,
>please. TT said at the end of 3-months wait, what are those three
>words... "economically not fixable."
>
>
>It took this person no time to determine what was wrong. Nothing
>extraordinary was done to fix the RX/TX / RS232, if one knows what is
>looking for.
>
>I give my thanksgiving to an honest, diligent, unselfish ham op who
>tackled the repairs of my venerable unsurpassed Orion I...Amen.
>
>Rafael / NN3RP
>Nation's Capital
>
>
>
>

11055. Orion 565 enclosure fasteners

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-15 16:47:45 UTC
From: katz.ajamas@...
Topic: 11055 Message: 11055

Will appreciate it if someone can take and post or email a photo of a rear and a side fastener(screw) from 565 enclosure along with something(scale, penny, ???) for scale. Thanks.
73, Bob ah7i

11056. Re: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-15 23:27:11 UTC
From: pinoleronica@...
Topic: 10840 Message: 11056

Mike and anyone interested:

RS-232 - bad chip (max232 or ad232) . It is a SMD SOIC-14 component located on the logic board. The recommendation is to use an insulation converter such as this one:

ISO-232-8E: 8-Wire RS232 Isolator / RS232 Opto-Isolator http://www.serialcomm.com/serial_rs232_converters/opto_isolated_and_surge_suppressors/rs232_8_wire_isolator/rs232_8_wire.product_general_info.aspx

http://www.serialcomm.com/serial_rs232_converters/opto_isolated_and_surge_suppressors/rs232_8_wire_isolator/rs232_8_wire.product_general_info.aspx

8-Wire RS232 Isolator / RS232 Opto-Isolator http://www.serialcomm.com/serial_rs232_converters/opto_isolated_and_surge_suppressors/rs232_8_wire_isolator/rs232_8_wire.product_general_info.aspx FREE World Shipping / GUARANTEED Same Day EXPRESS Shipping: 24/7 Phone Support, 5-Year Warranty, 30-Day Money-Back / RS232 3-Wire Isolators

View on www.serialcomm.com http://www.serialcomm.com/serial_rs232_converters/opto_isolated_and_surge_suppressors/rs232_8_wire_isolator/rs232_8_wire.product_general_info.aspx
Preview by Yahoo

Arek Tarniowy AC2FC is the man you can trust with your Orion or Omni issues..He has proven to have steady hands, expertise, and tools required for the job...no waiting months for some simple stuff or I am sure even for the hard ones as well.... tarniowy (prefix) uses yahoo.com as his domain...

In the hopes that this information is of great value to you and others...

Happy Holidays!

Rafael / NN3RP

11057. Re: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-16 00:52:50 UTC
From: Paul Dulaff
Topic: 10840 Message: 11057

Rafael

Was the only part problem the RS-232 converter chip ?

What caused the shutdown of the receiver and transmitter ?

Did the bad chip lock up the data bus and cause the rcvr/xmtr malfunctions ?

Arek Tarniowy AC2FC also fixed my Orion I back in March 2014. Ten Tec would only perform exploratory work on what I had as bad solder connections on the CPU board to the fine pitch LSI parts. We ended up reflowing all the fine pitch connections. My Orion has worked perfectly since, nearly 2 years after the repair.

Can't say enough good things about Arek.

Best 73's

Paul - WB2NMI

----- Original Message -----
From: pinoleronica@... [orion565] <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Tue, 15 Dec 2015 18:27:11 -0500 (EST)
Subject: Re: [orion565] Re: Serial Port down Orion 1

Mike and anyone interested:

RS-232 - bad chip (max232 or ad232) . It is a SMD SOIC-14 component located on the logic board. The recommendation is to use an insulation converter such as this one:

ISO-232-8E: 8-Wire RS232 Isolator / RS232 Opto-Isolator http://www.serialcomm.com/serial_rs232_converters/opto_isolated_and_surge_suppressors/rs232_8_wire_isolator/rs232_8_wire.product_general_info.aspx

http://www.serialcomm.com/serial_rs232_converters/opto_isolated_and_surge_suppressors/rs232_8_wire_isolator/rs232_8_wire.product_general_info.aspx

8-Wire RS232 Isolator / RS232 Opto-Isolator http://www.serialcomm.com/serial_rs232_converters/opto_isolated_and_surge_suppressors/rs232_8_wire_isolator/rs232_8_wire.product_general_info.aspx FREE World Shipping / GUARANTEED Same Day EXPRESS Shipping: 24/7 Phone Support, 5-Year Warranty, 30-Day Money-Back / RS232 3-Wire Isolators

View on www.serialcomm.com http://www.serialcomm.com/serial_rs232_converters/opto_isolated_and_surge_suppressors/rs232_8_wire_isolator/rs232_8_wire.product_general_info.aspx
Preview by Yahoo

Arek Tarniowy AC2FC is the man you can trust with your Orion or Omni issues..He has proven to have steady hands, expertise, and tools required for the job...no waiting months for some simple stuff or I am sure even for the hard ones as well.... tarniowy (prefix) uses

yahoo.com as his domain...

In the hopes that this information is of great value to you and others...

Happy Holidays!

Rafael / NN3RP

11058. Re: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-16 11:34:31 UTC
From: pinoleronica@...
Topic: 10840 Message: 11058

Paul, when the RS-232 failed it also did damage the TX (finals) but not the RX portion as I kept on using it for a few more days with SDRPlay up to the point that I shipped to TT...TT whatever they did damage the RX. Arek mentioned that there was a shortage on the 10v voltage stabilizer on the IF 9MHZ board.

Arek replaced the finals and fix the RX as well. He has also performed a tweak on the power meter so that it does not peg against the wall when using close to 100W (remember that one?).

He is running the rig for a few more days for review / monitoring. I will have it before Christmas day...this is the best gift, after my family, that I will get this Season.

Kuddos to Arek!

Rafael / NN3RP

11059. S Meter issue

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-16 13:48:54 UTC
From: amfone
Topic: 11059 Message: 11059

Hello group
I have a question. Twice in the last few days when I turn on the Orion the S-Meter does not work. Using HRD the receiver and virtual S- meter work perfectly. When I push band switching buttons or some of the other push buttons the S- meter has started to work but it does not correspond with any particular button. Any ideas?
Thanks Tim
WB8UHZ

11060. Re: [orion565] S Meter issue

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-16 14:16:04 UTC
From: Barry N1EU
Topic: 11059 Message: 11060

When in doubt, Master Reset.

Barry N1EU

On Wed, Dec 16, 2015 at 8:48 AM, amfone amfone20000@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hello group
>
> I have a question. Twice in the last few days when I turn on the Orion the
> S-Meter does not work. Using HRD the receiver and virtual S- meter work
> perfectly. When I push band switching buttons or some of the other push
> buttons the S- meter has started to work but it does not correspond with
> any particular button. Any ideas?
>
> Thanks Tim
>
> WB8UHZ
>
>
>

11061. Re: [orion565] S Meter issue

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-16 17:05:41 UTC
From: amfone
Topic: 11059 Message: 11061

OK Barry I was thinking about that. I have not done that in about five years so will have to look up how to do it.
Thanks TimWB8UHZ

On Wednesday, December 16, 2015 2:16 PM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:

When in doubt, Master Reset.
Barry N1EU
On Wed, Dec 16, 2015 at 8:48 AM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

Hello group
I have a question. Twice in the last few days when I turn on the Orion the S-Meter does not work. Using HRD the receiver and virtual S- meter work perfectly. When I push band switching buttons or some of the other push buttons the S- meter has started to work but it does not correspond with any particular button. Any ideas?
Thanks Tim
WB8UHZ

11062. Re: [orion565] Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-16 18:58:03 UTC
From: Jim Warner
Topic: 10840 Message: 11062

OK, now it makes more sense. As is usually the case, we see that there
is more to the story.

I was puzzled at first that a common failure RS-232/TTL converter IC
could cause such a fiasco, then I read the amateurs admission that the
radio needed other failed components(finals, voltage regulator, etc),
all conducive to voltage or lightning surge.

Jim WA9Z

On 12/16/2015 5:34 AM, pinoleronica@... [orion565] wrote:
> Paul, when the RS-232 failed it also did damage the TX (finals) but not
> the RX portion as I kept on using it for a few more days with SDRPlay up
> to the point that I shipped to TT...TT whatever they did damage the RX.
> Arek mentioned that there was a shortage on the 10v voltage stabilizer
> on the IF 9MHZ board.
>
>
> Arek replaced the finals and fix the RX as well. He has also performed
> a tweak on the power meter so that it does not peg against the wall when
> using close to 100W (remember that one?).
>
> He is running the rig for a few more days for review / monitoring. I
> will have it before Christmas day...this is the best gift, after my
> family, that I will get this Season.
>
> Kuddos to Arek!
>
> Rafael / NN3RP
>
>
>

11063. RE: [orion565] Orion 565 enclosure fasteners

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-16 19:25:01 UTC
From: w7iex
Topic: 11055 Message: 11063

Side sheet metal appears to be #8 1/2"Phillips button/round headGl, Van

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: "katz.ajamas@... [orion565]" <orion565@yahoogroups.com>
Date: 12/15/2015 08:47 (GMT-08:00)
To: orion565@yahoogroups.com
Subject: [orion565] Orion 565 enclosure fasteners

Will appreciate it if someone can take and post or email a photo of a rear and a side fastener(screw) from 565 enclosure along with something(scale, penny, ???) for scale.Thanks.73, Bob ah7i

[Non-text portions of this message have been removed]

11064. Re: [orion565] Orion 565 enclosure fasteners

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-16 20:24:11 UTC
From: Barry N1EU
Topic: 11055 Message: 11064

Just a note that the side fasteners are completely different on the Orion 565 from the Orion II 566 and Bob is looking for the 565. I believe the rear Torx fasteners are the same.

Barry N1EU

On Wed, Dec 16, 2015 at 7:25 PM, w7iex w7iex@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
>
>
> Side sheet metal appears to be #8 1/2"Phillips button/round headGl, Van
>
> Sent from my Verizon Wireless 4G LTE smartphone
>
> -------- Original message --------
> From: "katz.ajamas@... [orion565]" <orion565@yahoogroups.com>
> Date: 12/15/2015 08:47 (GMT-08:00)
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion 565 enclosure fasteners
>
>
>
> Will appreciate it if someone can take and post or email a photo of a rear
> and a side fastener(screw) from 565 enclosure along with something(scale,
> penny, ???) for scale.Thanks.73, Bob ah7i
>
> [Non-text portions of this message have been removed]
>
>
>

11065. RE: [orion565] Orion 565 enclosure fasteners

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-17 12:58:34 UTC
From: katz.ajamas@...
Topic: 11055 Message: 11065

Thanks!

It seems to work better with the covers on :)

73, Bob ah7i

11066. Orion 2 OK RTTY Contest

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-22 02:26:01 UTC
From: n5tf@...
Topic: 11066 Message: 11066

With stations on both sides down low in 40M band this Saturday in the OK DX RTTY contest the Orion 2 trudged along with nary a worry. Pulled BW in good and tight and never heard the guys on either side of me. Testimony to the front end filtering in these radios. Can't say enough about my two Orions. Hope you enjoy yours as much as I do. Been seeing the Orion 1s for sale in the $1100 to $1200 range, don't believe a better radio has ever existed in that price range, used to think highly of my Yaesu MK 5 but these are much simpler to operate and offer a better receiver IMHO. If you don't have one, go it one while they are still available. My Orion 1 is not for sale.

N5TF,
Terry

11067. Orion II Microphone issue or???

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-26 18:48:35 UTC
From: bkemp@...
Topic: 11067 Message: 11067

Got a Orion II, along with a 708A microphone.
If I breath lightly into the mike, it's almost as if the VOX is activating ...yet I have the VOX turned off.
If I tap the base of the mike with my finger I get output. (I'm not saying a hard tap, just the tip of my finger and light tap, will come through the rig) The mike is keyed with the ptt switch on the 708A mike.
Anyone had an issue like this? If I inhale or exhale near the mike it acts as though a relay is clicking on momentarily.
Did a reset with no help in this regard.? Ideas??
Bob
wa0vrc

11068. Re: [orion565] Orion II Microphone issue or???

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-26 19:19:55 UTC
From: denton sprague
Topic: 11067 Message: 11068

I have an orion 1 that I cannot use any mic mounted ptt switch as the ptt switch mechanical noise, going from on to off, will cause the rig to very briefly transmit the switch noise at rigs alc full output. It is also audible on my signal. Wonder if this is common?

Same general problem as Bob’s rig?

This actually is not a problem to me as I use an external ptt switch with either the cw jack or the rear accessory port.

> On Dec 26, 2015, at 10:48 AM, bkemp@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Got a Orion II, along with a 708A microphone.
>
> If I breath lightly into the mike, it's almost as if the VOX is activating ...yet I have the VOX turned off.
>
> If I tap the base of the mike with my finger I get output. (I'm not saying a hard tap, just the tip of my finger and light tap, will come through the rig) The mike is keyed with the ptt switch on the 708A mike.
>
> Anyone had an issue like this? If I inhale or exhale near the mike it acts as though a relay is clicking on momentarily.
>
> Did a reset with no help in this regard.? Ideas??
> Bob
>
> wa0vrc
>
>
>

11069. CPU Board for Sale?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-27 19:31:17 UTC
From: n1ohn@...
Topic: 11069 Message: 11069

Hello all

Anyone happen to have the CPU board 81917A7 Dragon Ball for the Orion 565 for sale?

Thanks! !!
Dave

11070. Re: [orion565] CPU Board for Sale?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-27 20:32:31 UTC
From: Tarniowy
Topic: 11069 Message: 11070

Dave,
what happens to your board?

Arek
AC2FC

On Dec 27, 2015, at 2:31 PM, "n1ohn@... [orion565]" <orion565@yahoogroups.com> wrote:

> Hello all
>
> Anyone happen to have the CPU board 81917A7 Dragon Ball for the Orion 565 for sale?
>
> Thanks! !!
> Dave
>
>

11071. Re: [orion565] CPU Board for Sale?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-27 20:35:24 UTC
From: David Phillips
Topic: 11069 Message: 11071

Someone decided they fix the max232 ic and installed it backwards and also lifted the traces going to the main ic

Sent from Yahoo Mail on Android

On Sun, Dec 27, 2015 at 3:32 PM, Tarniowy tarniowy@...
[orion565]<orion565@yahoogroups.com> wrote:

Dave,what happens to your board?

ArekAC2FC
On Dec 27, 2015, at 2:31 PM, "n1ohn@... [orion565]" <orion565@yahoogroups.com> wrote:

Hello all

Anyone happen to have the CPU board 81917A7 Dragon Ball for the Orion 565 for sale?

Thanks! !!
Dave

11072. Re: [orion565] CPU Board for Sale?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-28 00:10:05 UTC
From: Tarniowy
Topic: 11069 Message: 11072

Can you send some picture? Maybe this board can be fixed .

Arek
AC2FC

On Dec 27, 2015, at 3:35 PM, "David Phillips n1ohn@... [orion565]" <orion565@yahoogroups.com> wrote:

> Someone decided they fix the max232 ic and installed it backwards and also lifted the traces going to the main ic
>
>
> Sent from Yahoo Mail on Android
>
>
> Dave,
> what happens to your board?
>
> Arek
> AC2FC
>
> On Dec 27, 2015, at 2:31 PM, "n1ohn@...m [orion565]" <orion565@yahoogroups.com> wrote:
>
>>
>> Hello all
>>
>> Anyone happen to have the CPU board 81917A7 Dragon Ball for the Orion 565 for sale?
>>
>> Thanks! !!
>> Dave
>>
>
>

11073. Re: [orion565] CPU Board for Sale?

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-28 01:14:23 UTC
From: David Phillips
Topic: 11069 Message: 11073

If I can get to pins 15-18 I think it is on the Dragon Ball cpu I can use a external rs232 to ttl converter however the traces to two of the pins are gone I think two of the other pins I can get off of the 180 ohm resistors on the bottom. Sorry I don't have the diagram information in hand so I might be off on the pin numbers.
Sent from Yahoo Mail on Android

On Sun, Dec 27, 2015 at 7:10 PM, Tarniowy tarniowy@...
[orion565]<orion565@yahoogroups.com> wrote:

Can you send some picture? Maybe this board can be fixed .

ArekAC2FC
On Dec 27, 2015, at 3:35 PM, "David Phillips n1ohn@... [orion565]"
<orion565@yahoogroups.com> wrote:

Someone decided they fix the max232 ic and installed it backwards and also lifted the traces going to the main ic

Sent from Yahoo Mail on Android

Dave,what happens to your board?

ArekAC2FC
On Dec 27, 2015, at 2:31 PM, "n1ohn@... [orion565]" <orion565@yahoogroups.com> wrote:

Hello all

Anyone happen to have the CPU board 81917A7 Dragon Ball for the Orion 565 for sale?

Thanks! !!
Dave

[Non-text portions of this message have been removed]

11074. phone for TT service

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-29 20:08:32 UTC
From: bkemp@...
Topic: 11074 Message: 11074

Is there a new phone number for TT service. I'm using 865-428-0364 ?
Let it ring for 1/2 hour or so and no answer. Maybe this RKR outfit doesn't like phone calls any more??
wa0vrc

11075. RE: [orion565] phone for TT service

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-29 20:29:49 UTC
From: Torrey Mitchell
Topic: 11074 Message: 11075

Maybe they are taking a holiday week vacation.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: December 29, 2015 14:09
To: orion565@yahoogroups.com
Subject: [orion565] phone for TT service

Is there a new phone number for TT service. I'm using 865-428-0364 ?

Let it ring for 1/2 hour or so and no answer. Maybe this RKR outfit doesn't like phone calls anymore??
wa0vrc

11076. RE: [orion565] phone for TT service

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-29 20:33:24 UTC
From: <bkemp@...>
Topic: 11074 Message: 11076

ya maybe

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-------- Original Message --------
Subject: RE: [orion565] phone for TT service
From: "'Torrey Mitchell' torreym@... [orion565]"
<orion565@yahoogroups.com>
Date: Tue, December 29, 2015 2:29 pm
To: <orion565@yahoogroups.com>

?

Maybe they are taking a holiday week vacation.

?

73 Torrey N9PY

?

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: December 29, 2015 14:09
To: orion565@yahoogroups.com
Subject: [orion565] phone for TT service

?

?

Is there a new phone number for TT service. I'm using 865-428-0364 ?

Let it ring for 1/2 hour or so and no answer. Maybe this RKR outfit doesn't like phone calls anymore??
wa0vrc

11077. RE: [orion565] phone for TT service

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-29 20:39:49 UTC
From: John T. Fleming
Topic: 11074 Message: 11077

I thought there was a message on the list that they are closed until after the New Year.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, December 29, 2015 3:09 PM
To: orion565@yahoogroups.com
Subject: [orion565] phone for TT service

Is there a new phone number for TT service. I'm using 865-428-0364 ?

Let it ring for 1/2 hour or so and no answer. Maybe this RKR outfit doesn't like phone calls any more??
wa0vrc

11078. RE: [orion565] phone for TT service

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-29 20:40:39 UTC
From: <bkemp@...>
Topic: 11074 Message: 11078

don't know...new to the list.

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-------- Original Message --------
Subject: RE: [orion565] phone for TT service
From: "'John T. Fleming' john@... [orion565]"
<orion565@yahoogroups.com>
Date: Tue, December 29, 2015 2:39 pm
To: <orion565@yahoogroups.com>

?

I thought there was a message on the list that they are closed until after the New Year.

73,

John

?;

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, December 29, 2015 3:09 PM
To: orion565@yahoogroups.com
Subject: [orion565] phone for TT service

?

?

Is there a new phone number for TT service. I'm using 865-428-0364 ?

Let it ring for 1/2 hour or so and no answer. Maybe this RKR outfit doesn't like phone calls any more??
wa0vrc

11079. Re: phone for TT service

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-29 21:15:28 UTC
From: jshenry1963@...
Topic: 11074 Message: 11079

They are on vacation until after the Holidays.

Remember though, things are in real turmoil/transition right now, so, even after the New Years weekend it may take a bit to get someone to answer. Lots of work going on this month, hopefully people can be a little patient with them.

When we moved from the old HQ to the Thompson Carr building, we had a moving crew consisting of SEVERAL millwrights over a few months, (while we were trying to maintain production and service and all other business), and now, it is just a few in house busting their butts.
I am not there but I tell you what, I can sure imagine their pain right now, argh.

73, KI4JPL
John Henry

11080. RE: [orion565] Re: phone for TT service

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-29 21:18:26 UTC
From: <bkemp@...>
Topic: 11074 Message: 11080

Thanks for the update and that answers that. AND, yes, I suspect they are in somewhat of an upheaval!

They'll get back on track ...

wa0vrc

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-------- Original Message --------
Subject: [orion565] Re: phone for TT service
From: "jshenry1963@... [orion565]" <orion565@yahoogroups.com>
Date: Tue, December 29, 2015 3:15 pm
To: <orion565@yahoogroups.com>

?

They are on vacation until after the Holidays.

Remember though, things are in real turmoil/transition right now, so, even after the New Years weekend it may take a bit to get someone to answer. Lots of work going on this month, hopefully people can be a little patient with them.?

When we moved from the old HQ to the Thompson Carr building, we had a moving crew consisting of SEVERAL millwrights over a few months, (while we were trying to maintain production and service and all other business), and now, it is just a few in house busting their butts.

I am not there but I tell you what, I can sure imagine their pain right now, argh.?

73, KI4JPL

John Henry

11081. FS: Ten-Tec Orion II w RX366 subreceiver

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-30 16:17:18 UTC
From: Barry N1EU
Topic: 11081 Message: 11081

I have a very nice Orion II for sale, including the rare RX-366 super subreceiver. A high performance 9MHz i.f. output with Clifton Labs buffer amp has been added for panadapter use (see http://www.tentecwiki.org/lib/exe/fetch.php?cache=&media=orionpan3.jpg for a panadapter image from this Orion/LP-PAN). With stock filters in the Orion II and RX-366, the price is $2600 plus shipping. I will also offer many optional extras at special prices ONLY to the Orion purchaser: any of the optional filters (3 empty slots in Orion II and 2 empty slots in RX-366) for $75 each; 302R remote tuning knob $85; 310 aux cooling fan $25; LP-PAN w preamp $150; Microham MicroKeyer w Orion cable $125 - Please DON'T email me about buying any of the options unless you're interested in buying the Orion II - Thanks!

Please email me directly if there's interest. A sked to hear the Orion can gladly be arranged. I haven't done any photos yet but there are no scratches and only a short hairline crack, barely visible, on one edge of the plastic front panel surround.

73/HNY,
Barry N1EU

11082. re: Omni IV

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-30 22:34:19 UTC
From: n4ek@...
Topic: 11082 Message: 11082

I have a question regarding an Omni IV. I could not find a group for this radio. I 'am selling one for a SK and there is a board with a piezo buzzer on it with a part #81420. All the other boards have the 81xxx series of numbers. This radio has the Option 3 in it. There is a push button switch mounted in the front left hand side of the cover which connects to it. Anyone have any idea or if you know of a Omni IV group I would appreciate the info. Thanks in advance.

N4EK

11083. Re: [orion565] re: Omni IV

Yahoo group: orion565 (2014 — 2017)
Date: 2015-12-30 22:41:44 UTC
From: Phil Chambley Sr
Topic: 11082 Message: 11083

I think you mean Omni VI (Six) not IV (Four). There was no IV, as far as I know. That sounds like it might be some sort of home-made sounder for the 10-minute timer.

Phil C. Sr.
k4dpk 1955

On 12/30/2015 5:34 PM, n4ek@... [orion565] wrote:
>
> I have a question regarding an Omni IV. I could not find a group for
> this radio. I 'am selling one for a SK and there is a board with a
> piezo buzzer on it with a part #81420. All the other boards have the
> 81xxx series of numbers. This radio has the Option 3 in it. There is
> a push button switch mounted in the front left hand side of the cover
> which connects to it. Anyone have any idea or if you know of a Omni IV
> group I would appreciate the info. Thanks in advance.
>
> N4EK
>
>
>

11084. Another Want for the Orion III

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-01 15:01:37 UTC
From: n5tf@...
Topic: 11084 Message: 11084

John Henry,

Not sure I mentioned it in my previous desires list for the Orion III.

How about a battery we can access from rear vice rig surgery?

Thanks and Hope you and Ten Tec have a prosperous 2016.

N5TF,

Terry

11085. Orion II Frequency Calibration

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-02 01:08:00 UTC
From: Torrey Mitchell
Topic: 11085 Message: 11085

Talking tonight with a neighbor running a FLEX 6700, we determined with good accuracy that (on 20 meters, anyway) that my receive frequency reads 50 Hz higher than my transmit frequency. Can someone help refresh my memory about how to accurately calibrate the receiver frequency readout? Should I be worried about what's causing the current difference in frequency between receive and transmit?

Thanks and 73,

Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: January 1, 2016 09:02
To: orion565@yahoogroups.com
Subject: [orion565] Another Want for the Orion III

John Henry,

Not sure I mentioned it in my previous desires list for the Orion III.

How about a battery we can access from rear vice rig surgery?

Thanks and Hope you and Ten Tec have a prosperous 2016.

N5TF,

Terry

11086. Re: [orion565] Orion II Frequency Calibration

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-02 03:04:28 UTC
From: Tony Lelieveld
Topic: 11085 Message: 11086

Torrey,
Don't take this as gospel but it is my understanding that in the Orion rigs all frequencies are derived from one master oscillator. I don't think that there should be any difference between the RX and TX frequencies unless, perhaps, the RIT or XIT was active or if one is operating split VFO and they were differently tuned by 50 Hz. Maybe someone who is more familiar with this can chime in.
73, Tony VE3DWI.

----- Original Message -----
From: 'Torrey Mitchell' torreym@... [orion565]
To: orion565@yahoogroups.com
Sent: Friday, January 01, 2016 8:08 PM
Subject: [orion565] Orion II Frequency Calibration

Talking tonight with a neighbor running a FLEX 6700, we determined with good accuracy that (on 20 meters, anyway) that my receive frequency reads 50 Hz higher than my transmit frequency. Can someone help refresh my memory about how to accurately calibrate the receiver frequency readout? Should I be worried about what’s causing the current difference in frequency between receive and transmit?

Thanks and 73,

Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: January 1, 2016 09:02
To: orion565@yahoogroups.com
Subject: [orion565] Another Want for the Orion III

John Henry,

Not sure I mentioned it in my previous desires list for the Orion III.

How about a battery we can access from rear vice rig surgery?

Thanks and Hope you and Ten Tec have a prosperous 2016.

N5TF,

Terry

11087. First Key or Paddle

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-02 08:30:40 UTC
From: vk3tpm@...
Topic: 11087 Message: 11087

Hello to the Group. I own an Orion II and would like to get into CW. I am currently going through the alphabet at 20 characters per minute. This is letters with a 4 second gap between letters. The plan is to learn the alphabet and trim down the gap between letters. Then practice on numbers and finally words.

Anyhow I would like to reward myself with a quality key/paddle. Price is no object, though I am not going for a diamond studded option. Gold plate is fine. Having never used a key or paddle I am entering with out any preset mind sets.

I will post on other forums for their opinions as well. Please excuse me for re-posting else where.

1. I would like a key/paddle for my Orion II

2. I would like a key/paddle for portable operations. I have yet to purchase a portable radio though the Ten-Tec Argonaut VI looks like a worth contender.

I await the collective knowledge of this group.

Warm regards,

Paul VK3ZT/TPM

11088. Re: [orion565] First Key or Paddle

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-02 10:50:23 UTC
From: Barry N1EU
Topic: 11087 Message: 11088

For the non-portable paddle, I recommend the Begali Simplex paddle,
http://i2rtf.com/html/simplex.html

The Palm mini is a nice portable paddle.

73/HNY,
Barry N1EU

On Sat, Jan 2, 2016 at 8:30 AM, vk3tpm@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hello to the Group. I own an Orion II and would like to get into CW. I
> am currently going through the alphabet at 20 characters per minute. This
> is letters with a 4 second gap between letters. The plan is to learn the
> alphabet and trim down the gap between letters. Then practice on numbers
> and finally words.
>
> Anyhow I would like to reward myself with a quality key/paddle. Price is
> no object, though I am not going for a diamond studded option. Gold plate
> is fine. Having never used a key or paddle I am entering with out any
> preset mind sets.
>
> I will post on other forums for their opinions as well. Please excuse me
> for re-posting else where.
>
> 1. I would like a key/paddle for my Orion II
>
> 2. I would like a key/paddle for portable operations. I have yet to
> purchase a portable radio though the Ten-Tec Argonaut VI looks like a worth
> contender.
>
> I await the collective knowledge of this group.
>
> Warm regards,
>
> Paul VK3ZT/TPM
>
>
>
>

11089. Re: First Key or Paddle

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-02 14:11:29 UTC
From: n5tf@...
Topic: 11087 Message: 11089

I also advise that Begali Simplex is a great choice, Begali has many models I own a simplex and an HST. Customer service is fantastic, and with the Euro to US Dollar exchange I consider it a bargain for what you get. Not sure of the VK to Euro exchange. Kent also makes a very nice single and double paddle key, I own the double paddle key and it has nice build quality and operates very smooth. Whatever you do, get a good quality key to start, it will last your whole life.

N5TF,
Terry

11090. Re: [orion565] First Key or Paddle

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-03 00:11:24 UTC
From: Marty
Topic: 11087 Message: 11090

I'll third the Begali. Have a look at the "Magnetic Travelor" for portable use. It's not small, nor light. Not a good choice for backpacking with your KX3, however with the unique way it folds up and protects the levers. Its a great paddle for moving around. And, it's a darn nice paddle to boot, as all Begali's are.

I have both a Simplex and Magnetic Travelor

73 Marty / W4MY

> On Jan 2, 2016, at 3:30 AM, vk3tpm@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Hello to the Group. I own an Orion II and would like to get into CW. I am currently going through the alphabet at 20 characters per minute. This is letters with a 4 second gap between letters. The plan is to learn the alphabet and trim down the gap between letters. Then practice on numbers and finally words.
>
> Anyhow I would like to reward myself with a quality key/paddle. Price is no object, though I am not going for a diamond studded option. Gold plate is fine. Having never used a key or paddle I am entering with out any preset mind sets.
>
> I will post on other forums for their opinions as well. Please excuse me for re-posting else where.
>
> 1. I would like a key/paddle for my Orion II
>
> 2. I would like a key/paddle for portable operations. I have yet to purchase a portable radio though the Ten-Tec Argonaut VI looks like a worth contender.
>
> I await the collective knowledge of this group.
>
> Warm regards,
>
> Paul VK3ZT/TPM
>
>
>
>

11091. Re: [orion565] First Key or Paddle

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-04 03:27:55 UTC
From: vk3tpm@...
Topic: 11087 Message: 11091

Hello to the Group,

I wish to thank every one for their posts. They have been most welcome.

I have two more question.

Could the group please tell me if this cable plugs straight into my Orion II?

http://www.rkrdesignsllc.com/-81/ http://www.rkrdesignsllc.com/-81/

I have emailed Ten-Tec, though they maybe away for the holidays.

If this cable plugs into my Orion II. Which wire goes where please?

There are three wires. Red, White and Ground.

With regards, to the paddle. I do not wish to upset anyone and I have valued your inputs very much.

I have finally gone with this paddle

http://www.kent-engineers.com/SINGLEpaddleINFO.htm
http://www.kent-engineers.com/SINGLEpaddleINFO.htm

I was not governed by price. Though it has been warmly recommended to me by a friend. It was also stated that I might acquire some more as time goes by.

I wish to thank everyone for their posts. I truly appreciate you time and guidance.

Warm regards,

Paul.

11092. CAT info from TT565 makes N1MM+ go mad

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-04 22:14:17 UTC
From: pa5mw@...
Topic: 11092 Message: 11092

Hi,

Situation:
TT565 (ORION) connected via Microkeyer MKII to pC running N1MM+
Both VFO freq are shown in N1MM and bandmap correctly

Issue:

1) Callsign window of N1MM shows error messages like frequency ignored, unknown message etc. Often many strange signs, some freq. data which is verbally ignored but still shows up right in the bandmap.

2) After some minutes N1MM drops "system overflow warnings" in a zillion appearing separate windows untill PC is blocked.

Tried debugging by taking the following actions:

1) Another PC with
2) Fresh install of MKII Keyer USB router using
3) Other virtual ports (Device mngr shows they are free)
4) Successfull fw upgrade on the MKII keyer from 4.8 to 6.2
5) New Install of N1MM

Radio setup in the MKII USB router interface is easy; select either TT ORION or ORIONII with their default settings. Same in N1MM+. Tried several different settings.

Anyone have a clue?

73 Mark, PA5MW

11093. Re: [orion565] CAT info from TT565 makes N1MM+ go mad

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-04 23:42:28 UTC
From: Barry N1EU
Topic: 11092 Message: 11093

Mark, I recommend you contact Microham support.

73, Barry N1EU

On Mon, Jan 4, 2016 at 10:14 PM, pa5mw@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hi,
>
> Situation:
> TT565 (ORION) connected via Microkeyer MKII to pC running N1MM+
>
> Both VFO freq are shown in N1MM and bandmap correctly
>
>
>
> Issue:
>
> 1) Callsign window of N1MM shows error messages like frequency ignored,
> unknown message etc. Often many strange signs, some freq. data which is
> verbally ignored but still shows up right in the bandmap.
>
> 2) After some minutes N1MM drops "system overflow warnings" in a zillion
> appearing separate windows untill PC is blocked.
>
>
>
> Tried debugging by taking the following actions:
>
>
> 1) Another PC with
>
> 2) Fresh install of MKII Keyer USB router using
>
> 3) Other virtual ports (Device mngr shows they are free)
>
> 4) Successfull fw upgrade on the MKII keyer from 4.8 to 6.2
>
> 5) New Install of N1MM
>
>
> Radio setup in the MKII USB router interface is easy; select either TT
> ORION or ORIONII with their default settings. Same in N1MM+. Tried
> several different settings.

>
>
> Anyone have a clue?
>
>
>
>
> 73 Mark, PA5MW
>
>
>
>

11094. Re: [orion565] First Key or Paddle

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-05 00:37:06 UTC
From: w4my@...
Topic: 11087 Message: 11094

Paul,

Nice choice of a paddle, I prefer Iambic with two levers, that's the way I learned, its a personal choice.

As far as the cable is concerned... yes, that looks like the right connector for the O2. Have a look at page 10, paragraph (16) in your manual. If you don't have a manual, you should get one, its an essential tool. I think if you buy that cable from Ten Tec it comes with a diagram on the package of which color is to which place on the plug.

You can get cables like this out of junk boxes at hamfests for nothing but then you'd have to ring out the cable with a meter. If you don't have one, you should get one of those too, it will save you some money in the long run.

Or, you could just forget about what I said above and plug it into the jack marked "Key" in the back of the Orion II and connect your paddle and see what happens. If the dits and dahs don't go right, switch it around, might take a couple of tries. In this circumstance nothing bad will happen if you don't wire it right the first time.

And this is all assuming you have the keyer set up correctly in the O2 menu.... (Page 30 "CW" Menu)

Give a man a fish and he eats for a day, teach a man to fish and he eats for a lifetime..

Good luck!

Marty W4MY.

-----Original Message-----
From: "vk3tpm@... [orion565]" <orion565@yahoogroups.com>
Sent: Sunday, January 3, 2016 9:27pm
To: orion565@yahoogroups.com
Subject: Re: [orion565] First Key or Paddle

Hello to the Group,

I wish to thank every one for their posts. They have been most welcome.

I have two more question.

Could the group please tell me if this cable plugs straight into my Orion II?

http://www.rkrdesignsllc.com/-81/

I have emailed Ten-Tec, though they maybe away for the holidays.

If this cable plugs into my Orion II. Which wire goes where please?

There are three wires. Red, White and Ground.

With regards, to the paddle. I do not wish to upset anyone and I have valued your inputs very much.

I have finally gone with this paddle

[http://www.kent-engineers.com/SINGLEpaddleINFO.htm](
http://www.kent-engineers.com/SINGLEpaddleINFO.htm)

I was not governed by price. Though it has been warmly recommended to me by a friend. It was also stated that I might acquire some more as time goes by.

I wish to thank everyone for their posts. I truly appreciate you time and guidance.

Warm regards,

Paul.

11095. Re: First Key or Paddle

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-05 04:52:22 UTC
From: vk3tpm@...
Topic: 11087 Message: 11095

Hello Marty,

You have touched on another point. I do not know anyone in Australia that has an Orion II. I maybe able to contact the agent whom I purchased it from. Though I think that is a grey area now as Ten-Tec is in a state of limbo with the new owner.

Marty, I honestly know nothing about morse, except that it comes in dits and dahs. How to setup up my radio for morse I am completely in the dark. I do have a manual and am still confused how to set it up.

Yes you are quite correct. On page 10 there is a burst on CW and wiring up a paddle. It looks straight forward though it does mention that the plug should be for a 1/4" stereo plug. The plug and cable on the Ten-Tec site is for a 3.5mm. As you said this may be for the rear connection. I have emailed Ten-Tec regarding this cable and I received in the mail this afternoon a standard burst about KRK no longer looking after Ten-Tec products. It is the hands of the new owner. As we are all aware the new owner probably has his hands full at the moment so I will patently wait until they have both feet on the ground.

I chose Ten-Tec for the quality of their receivers and by doing so this has left me alone in the world of radio. Ten-Tec is pretty much an unknown manufacturer here in Oz. I am pretty much by myself. If you or some one else could kindly give me a lift up to how I should set-up the radio for CW I would be very grateful. Other wise I think it is going to be a game of trial and error. There is no great rush and I am happy to learn. The agent is currently on holidays out in the scrub some where and is not really contactable. Again no issue as I am still learning the code through a software package from Black Cat Systems on my iMac.

All is good. I am in a happy place. I will probably nut things out once I get a handle on what the manual is trying to tell me. At the moment it is all jargon.

Warm regards,

Paul.

11096. Re: [orion565] Re: First Key or Paddle

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-05 12:36:03 UTC
From: Marty
Topic: 11087 Message: 11096

All good, Paul.

You are learning to swim by jumping into the deep end of the pool in the Orion II. I wish you well with it. The double disadvantage for you is that Ten-Tec is not known for stellar documentation. Adequate, yes, easy to understand, no.

As far as CW goes, (Ham jargon for "Morse") you've selected a good quality single lever paddle. Nothing wrong with that style, but more difficult to master than a double lever iambic IMHO. (I still use double lever, lazy on my part, I guess). Again, deep end of the pool.

There's a good reason pilots don't take their first training on a Spitfire.

Best wishes for the new year. Good luck

73 Marty / W4MY

> On Jan 4, 2016, at 11:52 PM, vk3tpm@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Hello Marty,
>
> You have touched on another point. I do not know anyone in Australia that has an Orion II. I maybe able to contact the agent whom I purchased it from. Though I think that is a grey area now as Ten-Tec is in a state of limbo with the new owner.
>
> Marty, I honestly know nothing about morse, except that it comes in dits and dahs. How to setup up my radio for morse I am completely in the dark. I do have a manual and am still confused how to set it up.
>
> Yes you are quite correct. On page 10 there is a burst on CW and wiring up a paddle. It looks straight forward though it does mention that the plug should be for a 1/4" stereo plug. The plug and cable on the Ten-Tec site is for a 3.5mm. As you said this may be for the rear connection. I have emailed Ten-Tec regarding this cable and I received in the mail this afternoon a standard burst about KRK no longer looking after Ten-Tec products. It is the hands of the new owner. As we are all aware the new owner probably has his hands full at the moment so I will patently wait until they have both feet on the ground.
>
> I chose Ten-Tec for the quality of their receivers and by doing so this has left me alone in the world of radio. Ten-Tec is pretty much an unknown manufacturer here in Oz. I am pretty much by myself. If you or some one else could kindly give me a lift up to how I should set-up the radio for CW I would be very grateful. Other wise I think it is going to be a game of trial and error. There is no great rush and I am happy to learn. The agent is currently on holidays out in the scrub some where and is not really contactable. Again no issue as I am still learning the code through a software package from Black Cat Systems on my iMac.
>

> All is good. I am in a happy place. I will probably nut things out once I get a handle on what the manual is trying to tell me. At the moment it is all jargon.
>
> Warm regards,
>
> Paul.
>
>

11097. Re: First Key or Paddle

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-05 16:47:10 UTC
From: n5tf@...
Topic: 11087 Message: 11097

Paul, I will take some photos of my 1/4 inch connector and wiring later today. If you get the wires reversed somehow, simply correct them at the key end by swapping the wire to another terminal. You will have three connection points on the paddle, ground, and one signal wire from left and right (total of three wires). The kent key terminations are very easy to connect. Will take photo of my kent double paddle, your single paddle will be similar. I will also take photo of menu setup in my Orion 2. Standby for info later today.

N5TF,

Terry

11098. Re: Serial Port down Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-05 17:26:01 UTC
From: n5tf@...
Topic: 10840 Message: 11098

This post is going to hurt some feelings and piss some of you off. Here goes: In addition to the damage illustrated, the HAMs providing comment here regarding rates on the dreaded Ten Tec service also would like a guarantee of repair. Do you guys really think an electronics company should warrant a repair of a radio with a potential lightening strike? How do I know a surge caused this damage? I had almost the identical damage from a computer connection in which the lightening destroyed the computer and the Serial port on an Orion. BTW it does not have to be lightening it can also be surge from power connection, unhooking serial connection and reconnecting with power applied, etc. Let me ask the following: Would HAMS be willing to pay for the liability of this type of repair??? Knowing how cheap hams are, I confirm the answer to the later would be a resounding "NO". What liability you may ask??? The liability of warranted work inherently carries the possibility of additional future repairs at cost to the company. Was there a mention of Labor and cost to ship from the alternative repair function, perhaps I missed it? I have no issue with how Ten Tec approached this repair nor their response that it was not cost effective to repair this rig....it's largely based on incurring the liability of the repair and possible return for additional repair actions. If you malcontents don't like Ten Tec please go buy something else and stop airing your dribble here. The better use of this space is to discuss tips and operating issues among the people that actually like Ten Tec and hope they succeed.

N5TF, Terry

11099. Re: First Key or Paddle

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-05 23:16:53 UTC
From: n5tf@...
Topic: 11087 Message: 11099

Paul (VK3TPM),
I sent you an email with photos of connectors, info on Kent key and menu settings for CW.
Let me know when you get it.

N5TF,
Terry

11100. No tone on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-06 09:36:01 UTC
From: vk3tpm@...
Topic: 11100 Message: 11100

Hello again,

If I do not respond in the next few days it is not that I am rude. I will be away from the computer where there are no computers, wifi or radios. The last one I am trying to remedy.

Anyhow as you will know my Kent Paddle will be on the way in a couple of weeks.

At the moment I am trying to listen to CW on 7.050 MHz, a local CW call frequency.

Whilst listen I can hear CW but no tone. What I hear sounds like the clunking of a key with no tone. There is nothing audible to differentiate between a dit and a dah except one clunk is longer (maybe) than another.

I have no idea what my settings should be and I think I need some help to steer me in the right direction.

Settings that I know:

Main LCW
BW 1000
PBT 0
RIT 0
XIT 0

NB 1
NR 4
SAF on

Sidetone Pitch 700 Hz

RF Gain 56

I would also like to know how to use the "Spot" function though they may be better left to another post.

Again, I will be away till Sunday afternoon Oz time and will not be able to read or reply to any posts. I might be able to use my wife's iPad. If I do that will be a first.

Thank you for responses.

Warm regards,

Paul.

11101. Re: No tone on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-06 09:49:25 UTC
From: vk3tpm@...
Topic: 11100 Message: 11101

Sorry, I left out:

C: 700 Hz
W: 300 Hz

Kind regards,

Paul VK3ZT.

11102. Re: [orion565] Re: No tone on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-06 11:01:41 UTC
From: Barry N1EU
Topic: 11100 Message: 11102

Turn all these off:

NB, NR, SAF

73, Barry N1EU

On Wed, Jan 6, 2016 at 4:49 AM, vk3tpm@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Sorry, I left out:
>
> C: 700 Hz
> W: 300 Hz
>
> Kind regards,
>
> Paul VK3ZT.
>
>

11103. RE: [orion565] No tone on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-06 12:55:27 UTC
From: w7iex
Topic: 11100 Message: 11103

I assume this occurs in receive, not transmit.May sure the button marked "AN" is off.This will eliminate CW tone in receive (565).Van

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: "vk3tpm@bigpond.net.au [orion565]" <orion565@yahoogroups.com>
Date: 01/06/2016 01:36 (GMT-08:00)
To: orion565@yahoogroups.com
Subject: [orion565] No tone on CW

Hello again,

If I do not respond in the next few days it is not that I am rude. I will be away from the computer where there are no computers, wifi or radios. The last one I am trying to remedy.

Anyhow as you will know my Kent Paddle will be on the way in a couple of weeks.

At the moment I am trying to listen to CW on 7.050 MHz, a local CW call frequency.

Whilst listen I can hear CW but no tone. What I hear sounds like the clunking of a key with no tone. There is nothing audible to differentiate between a dit and a dah except one clunk is longer (maybe) than another.
I have no idea what my settings should be and I think I need some help to steer me in the right direction.
Settings that I know:
Main LCWBW   1000PBT   0RIT   0XIT   0
NB 1NR 4SAF on
Sidetone Pitch   700 Hz
RF Gain 56
I would also like to know how to use the "Spot" function though they may be better left to another post.
Again, I will be away till Sunday afternoon Oz time and will not be able to read or reply to any posts. I might be able to use my wife's iPad. If I do that will be a first.
Thank you for responses.
Warm regards,
Paul.

11104. no tone

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-06 13:10:14 UTC
From: Wayne Staples
Topic: 11104 Message: 11104

Hi Paul

I think you might have your auto notch (AN) on.

Cheers Wayne VK4EU

11105. Re: [orion565] no tone

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-06 15:40:42 UTC
From: Paul K.
Topic: 11104 Message: 11105

??? Huh ???

Maybe this was intended for another Paul?

How you doing? I haven't talk to you in ages.

Hope you and the Mrs. had a good Christmas.
Paul K. WA0BAG

On 1/6/2016 8:10 AM, Wayne Staples vk4eu@... [orion565] wrote:
> Hi Paul
>
> I think you might have your auto notch (AN) on.
>
> Cheers Wayne VK4EU
>
>
> ------------------------------------
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> Yahoo Groups Links
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>

11106. Re: [orion565] No tone on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-06 17:39:06 UTC
From: Tony Lelieveld
Topic: 11100 Message: 11106

Hi Paul,
First off, the spot function only works in CW mode. Have the CW mode enabled, tune in a CW station, then press the SPOT button and hold it in. You will hear the off-set tone that you set-up, in your case 700 Hz. Now tune, with your VFO, the CW station until the two tones zero beat and release the spot button. You now have your CW frequency set so that when you transmit to the other station s(he) will hear your signal with the proper side tone.
73, Tony VE3DWI.

----- Original Message -----
From: vk3tpm@... [orion565]
To: orion565@yahoogroups.com
Sent: Wednesday, January 06, 2016 4:36 AM
Subject: [orion565] No tone on CW

Hello again,

If I do not respond in the next few days it is not that I am rude. I will be away from the computer where there are no computers, wifi or radios. The last one I am trying to remedy.

Anyhow as you will know my Kent Paddle will be on the way in a couple of weeks.

At the moment I am trying to listen to CW on 7.050 MHz, a local CW call frequency.

Whilst listen I can hear CW but no tone. What I hear sounds like the clunking of a key with no tone. There is nothing audible to differentiate between a dit and a dah except one clunk is longer (maybe) than another.

I have no idea what my settings should be and I think I need some help to steer me in the right direction.

Settings that I know:

Main LCW

BW 1000

PBT 0

RIT 0

XIT 0

NB 1

NR 4

SAF on

Sidetone Pitch 700 Hz

RF Gain 56

I would also like to know how to use the "Spot" function though they may be better left to another post.

Again, I will be away till Sunday afternoon Oz time and will not be able to read or reply to any posts. I might be able to use my wife's iPad. If I do that will be a first.

Thank you for responses.

Warm regards,

Paul.

11107. Orion 2 loss of memory

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-06 21:25:59 UTC
From: k9wwt@...
Topic: 11107 Message: 11107

Does anyone know if there is a CMOS or other such battery that must be replaced in the Ten Tec Orion 2? If I leave the radio off for an hour or more it looses all its memory and goes back to a factory reset default setting. I get the radio all set up. Store it in users one and two and the next day everything is gone. Ten Tec phone numbers are down right now for new owners. Thank you if you have some information. Please e-mail me.

George Kelly
K9WWT

k9wwt@sbcglobal.net

11108. Re: [orion565] Orion 2 loss of memory

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-06 21:38:29 UTC
From: Barry N1EU
Topic: 11107 Message: 11108

Yup

http://www.tentecwiki.org/doku.php?id=565battery

73, Barry N1EU

On Wed, Jan 6, 2016 at 9:25 PM, k9wwt@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Does anyone know if there is a CMOS or other such battery that must be
> replaced in the Ten Tec Orion 2? If I leave the radio off for an hour or
> more it looses all its memory and goes back to a factory reset default
> setting. I get the radio all set up. Store it in users one and two and
> the next day everything is gone. Ten Tec phone numbers are down right now
> for new owners. Thank you if you have some information. Please e-mail
> me.
>
> George Kelly
> K9WWT
>
> k9wwt@sbcglobal.net
>
>
>
>
>
>
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>
>

11109. Re: No tone on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-06 23:25:51 UTC
From: vk3tpm@...
Topic: 11100 Message: 11109

Thank you everyone. Van and Wayne hit the nail on the head. Dopey me had the "Auto Notch" on.

I will have a go at the "Spot" function when I return home again.

Thank you everybody. I was totally lost. It was a simple fix, though I am a complete NEWB when it comes to CW.

Again, thank you to all the respondents and even those who thought about responding.

Warm regards,

Paul.

11110. Re: No tone on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-07 13:01:18 UTC
From: n5tf@...
Topic: 11100 Message: 11110

I run my rig in UCW. also make sure RIT is off, But sounds like Barry is probably correct< one or more buttons at bottom of screen are on

11111. Re: [orion565] Re: No tone on CW

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-07 13:20:45 UTC
From: Barry N1EU
Topic: 11100 Message: 11111

I don't know if OP Paul VK3TPM is getting these messages. Until you gain experience with the Orion, I suggest you leave NR, NB,SAF, Notch, and AN all off, all the time. Many of us leave these off all the time after using the Orion for 10+ years.

73, Barry N1EU

On Thu, Jan 7, 2016 at 8:01 AM, n5tf@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I run my rig in UCW. also make sure RIT is off, But sounds like Barry is
> probably correct< one or more buttons at bottom of screen are on
>
>

11112. new owner

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-07 16:31:46 UTC
From: ka1erl@...
Topic: 11112 Message: 11112

From the ARRL

Dishtronix http://www.dishtronix.com/, an electronics design and manufacturing company, has purchased the assets of Amateur Radio equipment manufacturer TEN-TEC from RKR Designs. Headquartered in Bellefontaine, Ohio, Dishtronix manufactures and markets the “Prometheus” solid-state Amateur Radio amplifier, among other products. No formal announcement has been made by either company, and details of the purchase are still being finalized. RKR Designs announced last April 2 that it had acquired the assets of TEN-TEC and Alpha Amplifiers from RF Concepts, less than 1 year after the two lines had merged under the RF Concepts brand in an asset sale. Dishtronix owner Steven M. “Mike” Dishop, N8WFF, told ARRL that, while TEN-TEC has had different owners over the years, he is in it for the long haul.

http://www.dishtronix.com/

Dishtronix http://www.dishtronix.com/ High power, solid state RF amplifiers and accessories. About | Contact Amateur Radio Contract Design & Manufacturing

View on www.dishtronix.com http://www.dishtronix.com/
Preview by Yahoo

“Dishtronix has been continuously operating for 17 years, is financially stable and will continue managing in a manner that promotes and maintains financial stability. My vision is strictly long term,” he said. Dishop said that TEN-TEC production would remain in Sevierville, Tennessee.
According to its website, Dishtronix was incorporated in 1998 to design, develop and manufacture electronic controls and products, serving smaller manufacturers that lack electronic design expertise. Dishtronix said that it “seriously committed” in September 2001 to enter the Amateur Radio market with high-power, solid-state amplifiers and accessories. Dishop said Dishtronix has other new products under development, including a new legal-limit, solid-state amp that he expects to debut at Dayton Hamvention http://www.hamvention.org/® in May.
“When I have capacity, the next step is to run the first batch of Omni VII+s, which is the Omni VII with some minor cosmetic changes and improvements, such as a flat metal front for improved shielding,” he added. He also expects to post some firmware updates as soon as possible, once the new TEN-TEC website is up.
Dishop told ARRL that he’s had to make “some tough decisions” to ensure the company’s long-term viability. He confirmed a recent TEN-TEC reflector web post by former TEN-TEC Engineering Manager John Henry, KI4JPL, whom Dishop has retained on a contract basis, that indicated a new service policy is now in place, with a $140 minimum charge just to look at a radio, even if it is not repaired. This includes items already sent to RKR for repair. Dishop said owners were shipping their radios to TEN-TEC for diagnosis, then asking that the unit be returned without incurring any charge. Owners should be prepared to pay approximately $265 for labor, plus parts and return shipping for a typical repair, he added. “If you are not prepared to spend $140, do not send your radio in,” Dishop told ARRL, noting that TEN-TEC’s service department had been operating at a loss.
In addition, TEN-TEC will charge customers for “any telephone call or e-mail that consumes

more than 5 minutes of technician time," according to the post, which also appeared on QRZ.com's news crawl. Dishop told ARRL that the days of discount prices are no more. "The blow-out sale prices are over, and any outstanding orders at those prices are terminated," he said.

Dishop asked the Amateur Radio community to be patient during the transition. "I am fully committed to bring TEN-TEC back to a sustainable state," he said in his earlier web post. "This will take some time."

11113. Re: [orion565] CAT info from TT565 makes N1MM+ go mad

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-08 14:47:30 UTC
From: pa5mw@...
Topic: 11092 Message: 11113

In the meantime I have tested with a team some more, using different PC's operating systems, talked to the ORION directly from Putty via the MKII etc.

Seven days and 33 hrs of testing trying to debug.

I passed all debug info to Microham as suggested here and they responded quickly and friendly.

Apparently the ORION is notorious at its serial port speed (and its clock jitter) is all over the place.
Sometimes 56K, sometimes 57K6 or much higher.
It differed per firmware version.
I already read that from others who have much more experience in this field than I do.

That currently leaves no solution left.
And CQ160M CW is around the corner :(

A friend has offered two K3's for my SO2V setup.
I have ample time to come with a solution or go for the K3's

73 Mark, PA5MW

11114. Re: [orion565] CAT info from TT565 makes N1MM+ go mad

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-08 14:55:32 UTC
From: Barry N1EU
Topic: 11092 Message: 11114

Sorry to hear that Mark. I used the original Microham keyer with my Orion and had no problems at all, especially after following W4TV's advice to reduce the polling rate from NaP3. I was primarily using the Microham because of its USB Router software sharing out the CAT port to multiple programs (N1MM and NaP3 panadapter).

Hope to work you in CQ160 CW!

73, Barry N1EU

On Fri, Jan 8, 2016 at 9:47 AM, pa5mw@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> In the meantime I have tested with a team some more, using different PC's
> operating systems, talked to the ORION directly from Putty via the MKII etc.
>
> Seven days and 33 hrs of testing trying to debug.
>
> I passed all debug info to Microham as suggested here and they responded
> quickly and friendly.
>
> Apparently the ORION is notorious at its serial port speed (and its clock
> jitter) is all over the place.
> Sometimes 56K, sometimes 57K6 or much higher.
> It differed per firmware version.
> I already read that from others who have much more experience in this
> field than I do.
>
> That currently leaves no solution left.
> And CQ160M CW is around the corner :(
>
> A friend has offered two K3's for my SO2V setup.
> I have ample time to come with a solution or go for the K3's
>
>
> 73 Mark, PA5MW
>
>
>
>

11115. Orion II alc issue/ Vox issue

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-09 02:58:11 UTC
From: bkemp@...
Topic: 11115 Message: 11115

I have what I think is a ALC issue with my Orion II. During transmit, other stations can hear a pop or click of sorts which seems to coincide when the alc lite comes on! I can tap the base of the mike (708A) and it does that same thing..this click with the alc lite coming on. It's almost as if the VOX is working but I have that set to off. Any ideas...!!???
Haven't been able to get ahold of TT ...with all that's going on down there!
wa0vrc
Bob

11116. Re: [orion565] Orion II alc issue/ Vox issue

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-09 08:47:29 UTC
From: Tony
Topic: 11115 Message: 11116

Check to see if the monitor function is off.
73. Tony VE3DWI?

Sent?from?my?BlackBerry?10?smartphone?on?the?Bell?network.

From: bkemp@bobkemp.com [orion565]
Sent: Friday, January 8, 2016 21:58
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Subject: [orion565] Orion II alc issue/ Vox issue

?

I have what I think is a ALC issue with my Orion II.? During transmit, other stations can hear a pop or click of sorts which seems to coincide when the alc lite comes on! ? I can tap the base of the mike (708A) and it does that same thing..this click with the alc lite coming on. It's almost as if the VOX is working but I have that set to off.? Any ideas...!!???
Haven't been able to get ahold of TT ...with all that's going on down there!
wa0vrc
Bob

11117. RE: [orion565] Orion II alc issue/ Vox issue

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-09 12:19:28 UTC
From: <bkemp@...>
Topic: 11115 Message: 11117

Monitor function off, I dont' have a cw key plugged in. VOX is off,

I can take a small breath and like "puff" into the mike,? and the alc lite comes on and the click is heard. Also if I blow into the mike say for 15 seconds this click has some consistency and will just cycle click, click, click (in conjunction with the alc lite lighting up).

Guess there is an alc adjustment, but my key down is about 110 watts out so I don't think it's that.

?

?

?

?

?

-------- Original Message --------
Subject: Re: [orion565] Orion II alc issue/ Vox issue
From: "Tony va3dwi@... [orion565]" <orion565@yahoogroups.com>
Date: Sat, January 09, 2016 2:47 am
To: "bkemp@bobkemp.com [orion565]" <orion565@yahoogroups.com>,
orion565@yahoogroups.com

Check to see if the monitor function is off.

73. Tony VE3DWI?

Sent?from?my BlackBerry?10?smartphone?on?the?Bell?network.

From: bkemp@... [orion565]

Sent: Friday, January 8, 2016 21:58

To: orion565@yahoogroups.com

Reply To: orion565@yahoogroups.com

Subject: [orion565] Orion II alc issue/ Vox issue

?

I have what I think is a ALC issue with my Orion II.? During transmit, other stations can hear a pop or click of sorts which seems to coincide when the alc lite comes on!?? I can tap the base of the mike (708A) and it does that same thing..this click with the alc lite coming on. It's almost as if the VOX is working but I have that set to off.? Any

ideas...!!???

Haven't been able to get ahold of TT ...with all that's going on down there!

wa0vrc

Bob

11118. Re: CAT info from TT565 makes N1MM+ go mad

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-09 17:20:54 UTC
From: Onno PA1AP
Topic: 11092 Message: 11118

Hi Mark,

During introduction of release 3 a lot of time has gone into testing the serial communication. Serial code routines have been rewritten to make them consistent and working well. Also the cts function has been adapted to ensure correct behavior during high communication rates. As a result we arrived at what I believe the most stable serial communication so far..

There are some things which are important to note ;

1- adhere to cts implementation. When cts status changes the requestor needs to pause sending commands. This also means cts needs to be implemented by hardware (correct cabling)

2- the minimum intergap time should be bigger than 20 mS and the recommendation is 200mS

3- there are still some conditions which could result in error condition as far as I remember. For settings which combine on/off as well a value the sequence is important. The function should be switched to on before setting the value. Example is notch which contains on/off, frequency and width. I actually don't remember if this got fixed or not. But it is worth to check which functions you are controlling through serial communication... just to make sure ;-)

4- serial cable and clock speed could be a combined issue depending on the actual cable. I did test variable clock speed and could not break the communication. But I can imagine a very long cable could make it difficult to get the level changes. I assume thats not the issue for you but it might be worthwhile to change the setup for a moment to a direct connection between 565 and computer.

Once upon a time a wrote a serial load test program. It will stress test the communication as well force cts to take action. It also plots cts timing and such like. Its old and back then written for windows xp. I would need to search the archives but if you like I can send it to you (once I found it)

best regards, Onno

11119. Orion II tuner

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-09 20:51:29 UTC
From: Steven Hammond
Topic: 11092 Message: 11119

I had a friend look over my radio to see if he could fix the mic problem (loose ground on mic jack?) and he wasn't able to resolve it. I still get a local AM station in my headset when transmitting on SSB, but I just ignore it. However, I went to tune on a band the other day and it it makes a loud tone but I don't hear the rattling noises like I used to and it after 10 seconds or so it is still transmitting. So, yes, I have INTERNAL TUNER enabled and TRANSMITTER is on and I see output on the meter on the Orion II as well as my external meter. So, before I have to open the radio (which I'd rather not do) is there something obvious I'm forgetting (since I use it so infrequently since my OCFD doesn't require it)?

Steven Hammond
KY5M

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11120. Re: [orion565] Orion II tuner

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-09 22:51:46 UTC
From: catfishtwo@...
Topic: 11092 Message: 11120

replace the battery . n6ajr

In a message dated 1/9/2016 12:51:34 P.M. Pacific Standard Time,
orion565@yahoogroups.com writes:

I had a friend look over my radio to see if he could fix the mic problem
(loose ground on mic jack?) and he wasn't able to resolve it. I still
get a local AM station in my headset when transmitting on SSB, but I
just ignore it. However, I went to tune on a band the other day and it
it makes a loud tone but I don't hear the rattling noises like I used to
and it after 10 seconds or so it is still transmitting. So, yes, I have
INTERNAL TUNER enabled and TRANSMITTER is on and I see output on the
meter on the Orion II as well as my external meter. So, before I have
to open the radio (which I'd rather not do) is there something obvious
I'm forgetting (since I use it so infrequently since my OCFD doesn't
require it)?

Steven Hammond
KY5M

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

Posted by: Steven Hammond <bcf1689@...>

Yahoo Groups Links

11121. Re: [orion565] Orion II tuner

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-10 01:57:34 UTC
From: Steven Hammond
Topic: 11092 Message: 11121

I'm not for sure which battery? Is there more than one? I know the main battery had been replaced when I bought the unit a little over a year ago. Does the ATU have a battery as well? Also, just curious, can the internal ATU be replace with another internal ATU that has memory for remembering frequencies and how they should be tuned? As I said, I've not had to use it that much so this is still new to me. Thanks.

Steven Hammond
KY5M

On 1/9/2016 16:51, catfishtwo@... [orion565] wrote:
>
> replace the battery . n6ajr
> In a message dated 1/9/2016 12:51:34 P.M. Pacific Standard Time,
> orion565@yahoogroups.com writes:
>
> I had a friend look over my radio to see if he could fix the mic
> problem
> (loose ground on mic jack?) and he wasn't able to resolve it. I
> still
> get a local AM station in my headset when transmitting on SSB, but I
> just ignore it. However, I went to tune on a band the other day
> and it
> it makes a loud tone but I don't hear the rattling noises like I
> used to
> and it after 10 seconds or so it is still transmitting. So, yes,
> I have
> INTERNAL TUNER enabled and TRANSMITTER is on and I see output on the
> meter on the Orion II as well as my external meter. So, before I have
> to open the radio (which I'd rather not do) is there something
> obvious
> I'm forgetting (since I use it so infrequently since my OCFD doesn't
> require it)?
>
> Steven Hammond
> KY5M
>
> ---
> This email has been checked for viruses by Avast antivirus software.
> https://www.avast.com/antivirus
>
>
>
> ------------------------------------
> Posted by: Steven Hammond <bcf1689@...>

> ------------------------------------
>
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11122. hooking up Orion to computer

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-10 15:27:13 UTC
From: bkemp@...
Topic: 11122 Message: 11122

I have a 712 or 721(don't have it right in front of me) connecting cable to hook my Orion II up to a usb port on my computer. Has like a usb to DIN plug
Is that all that's needed....or do I need to get a separate program from, say N4PY to rig up computer control of my orion or not?

11123. RE: [orion565] hooking up Orion to computer

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-10 16:12:56 UTC
From: Wes Attaway (N5WA)
Topic: 11122 Message: 11123

You need some kind of software to easily handle the communications. You could communicate directly via a command-line program like Putty, but this is not practical for most people on a long term basis.

Software like the N4PY program makes the communication element a lot easier.

As one example only, I use DX4WIN for logging and to send CW, and I have it connected to a microHAM microKeyer II interface which handles the communications functions.

There are many other options, including N4PY.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com <http://www.attawayforensics.com>

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, January 10, 2016 9:27 AM
To: orion565@yahoogroups.com
Subject: [orion565] hooking up Orion to computer

I have a 712 or 721(don't have it right in front of me) connecting cable to hook my Orion II up to a usb port on my computer. Has like a usb to DIN plug

Is that all that's needed....or do I need to get a separate program from, say N4PY to rig up computer control of my orion or not?

11124. RE: [orion565] hooking up Orion to computer

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-10 16:40:29 UTC
From: Bob Kemp
Topic: 11122 Message: 11124

Thanks Wes...appreciate the info.Bob

Sent from my Verizon Wireless 4G LTE smartphone-------- Original message --------From: "'Wes Attaway (N5WA)' wesattaway@bellsouth.net [orion565]" <orion565@yahoogroups.com> Date: 1/10/2016 10:12 AM (GMT-06:00) To: orion565@yahoogroups.com Subject: RE: [orion565] hooking up Orion to computer

You need some kind of software to easily handle
the communications. You could communicate directly via a command-line program
like Putty, but this is not practical for most people on a long term basis.

Software like the N4PY program makes the
communication element a lot easier.

As one example only, I use DX4WIN for
logging and to send CW, and I have it connected to a microHAM microKeyer II
interface which handles the communications functions.

There are many other options, including
N4PY.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]

Sent: Sunday, January 10, 2016
9:27 AM

To: orion565@yahoogroups.com

Subject: [orion565] hooking up
Orion to computer

I have a
712 or 721(don't have it right in front of me) connecting cable to hook
my Orion II up to a usb port on my computer. Has like a usb to DIN plug

Is that all that's needed....or do I need to get a
separate program from, say N4PY to rig up computer control of my orion or not?

11125. Re: CAT info from TT565 makes N1MM+ go mad

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-12 09:52:17 UTC
From: pa5mw@...
Topic: 11092 Message: 11125

Hi Onno,

Thanks for your reply.
In the meantime the team has spent over 35 hrs trying to debug this issue with no luck yet. For the up-coming CQ160 CW we will have to go for plan B as there is not enough time left to solve these issues and I will have to spend some time with the offered different hardware setup.

Anyway some recent test results:

- N1MM+ via MKII to my ORION, TT565 (2002, fw 1.375b) shows many CAT errors in N1MM+

- N1MM+ via MKII to my ORION II, TT566 (2002, fw 3.033d) shows many CAT errors in N1MM+

- connecting old-skool directly to the N1MM+ pc via a direct serial cable shows no CAT issues at N1MM+, except at a band-change; that will induce a single CAT error only. But N1MM+ remains working fb without hang-up.

- 5 different pc's and new installations of both the MKII USB router programm as wel as Full N1MM+ installs heve been tried, using Win7/64/32, Win10, and XP have been tried already. XP offers even more CAT errors/time.

During a visit at OT6M contest station this weekend we quickly swapped his MKII (connected to his TT565 and N1MM+ working fb without any CAT error !!) with my MKII; immediately CAT errors appeared.
So this might lead to a preliminar conclusion my MKII is faulty, however:

- N1MM+ via MKII to my Elecraft K2 (4800,N,1) works without any CAT error in N1MM+

Answers on your suggestions:

1. CTS & RTS both are connected in the cable. The cable has been cpl re-built using new connectors, CAT5 cable (60cm) and tested thoroughly.

** IT guy suggests to cut the CTS/RTS from the comm to MKII and try short-connecting them at the radio side only.

2. N1MM+ does not have a polling setting. Any related settings at both the MKII and N1MM+ have been tried already. IN fact, just about everything possible has been tried at any available settings.

3. Any single CAT failure would not pose any problem. But since I have two TT transceivers, both pushing N1MM into a stack overflow due to continuous CAT errors...

4. The MKII CAT log monitoring window shows a steady stream of good CAT data from the ORION's. Only every 10sec a single time out sometimes appears. At no point the CAT freq information is lost (also not in N1MM+, but that program hangs up after some 20min due to its stack overflow)

Testing on a hardware timing level, using serial port test programs and such, is a different path which at this point I have no time left for.

Microham has been friendly and very responsive in this matter.

73 Mark, PA5MW

11126. Re: [orion565] Re: CAT info from TT565 makes N1MM+ go mad

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-12 15:28:53 UTC
From: Billy Cox
Topic: 11092 Message: 11126

Good Morning Mark,

Sounds like a setting/cabling issue with the MKII
or one of the internal Urouter firmware settings?

Just a data point. I use N1MM+ with OrionIIs here,
each with an original MK with no known challenges.

(W7/64, 4G Ram, etc.)

Thanks,

Billy

----- Original Message -----
From: "pa5mw@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Tuesday, January 12, 2016 3:52:17 AM
Subject: [orion565] Re: CAT info from TT565 makes N1MM+ go mad

Hi Onno,

Thanks for your reply.
In the meantime the team has spent over 35 hrs trying to debug this issue with no luck yet.
For the up-coming CQ160 CW we will have to go for plan B as there is not enough time left to solve these issues and I will have to spend some time with the offered different hardware setup.

Anyway some recent test results:

- N1MM+ via MKII to my ORION, TT565 (2002, fw 1.375b) shows many CAT errors in N1MM+

- N1MM+ via MKII to my ORION II, TT566 (2002, fw 3.033d) shows many CAT errors in N1MM+

- connecting old-skool directly to the N1MM+ pc via a direct serial cable shows no CAT issues at N1MM+, except at a band-change; that will induce a single CAT error only. But N1MM+ remains working fb without hang-up.

- 5 different pc's and new installations of both the MKII USB router programm as wel as Full N1MM+ installs heve been tried, using Win7/64/32, Win10, and XP have been tried already. XP offers even more CAT errors/time.

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So this might lead to a preliminar conclusion my MKII is faulty, however:

- N1MM+ via MKII to my Elecraft K2 (4800,N,1) works without any CAT error in N1MM+

Answers on your suggestions:

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** IT guy suggests to cut the CTS/RTS from the comm to MKII and try short-connecting them at the radio side only.

2. N1MM+ does not have a polling setting. Any related settings at both the MKII and N1MM+ have been tried already. IN fact, just about everything possible has been tried at any available settings.

3. Any single CAT failure would not pose any problem. But since I have two TT transceivers, both pushing N1MM into a stack overflow due to continuous CAT errors...

4. The MKII CAT log monitoring window shows a steady stream of good CAT data from the ORION's. Only every 10sec a single time out sometimes appears. At no point the CAT freq information is lost (also not in N1MM+, but that program hangs up after some 20min due to its stack overflow)

Testing on a hardware timing level, using serial port test programs and such, is a different path which at this point I have no time left for.

Microham has been friendly and very responsive in this matter.

73 Mark, PA5MW

11127. Re: CAT info from TT565 makes N1MM+ go mad

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-13 15:54:49 UTC
From: pa5mw@...
Topic: 11092 Message: 11127

Hi Billy,

I have tested 3 cables (one Microham original DB37 at OT6M and two different home made DB37 cables at my home)
There is no setting on any MKII or N1MM_ platform which was not tried yet I think.
Firmware; both old and latest MKII fw versions failed.

What settings/cabling did I miss and was not mentioned in any of my my previous messages?

I need to rule out any possibility before returning the unit.

Thanks,

Mark, PA5MW

11128. New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-16 01:25:32 UTC
From: w5pny@...
Topic: 11128 Message: 11128

On the new tentec site (http://www.tentec.com)
a new page went up today with a link to new
firmware for the Orion II -- 3.033xe. This
firmware has the S-Meter table in it that 3.033xd
has, but includes the option (which is now the default)
to tie the S-Meter to the AGC like 3.029 did. The Orion I
had this with it's last firmware release months (years, now it
seems) ago. I've been waiting for this ever since since
I can't stand not having the S-Meter tied to the AGC.
It's an option to have it the either way in the menus.
I've been on 3.029 waiting for this ever since 3.033xd
came out, not having been able to stand the S-Meter
not showing the AGC knee.

Thanks Mike and John (John HAS to have been in on this)!!!!!!

For me at least, this is a super first product on the website
of the new ownership! I love it! What a relief! Great work!

73 --

Harry (W5PNY)

11131. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-16 04:07:56 UTC
From: John Fleming (ASUS Transformer)
Topic: 11128 Message: 11131

Steven,
Right click the run file an tell it to run as administrator. I think that will cure the problem.
73,
John
Fat fingered from my Asus Transformer!

"Steven Hammond bcf1689@gmail.com [orion565]" <orion565@yahoogroups.com> wrote:

>
>
>Anyone got this to run under Windows 10? I tried to run the firmware setup on my Windows 10 PC and when I choose to update it just crashes.
>
>Steven Hammond
>KY5M
>
>On 1/15/2016 19:51, Barry N1EU barry.n1eu@gmail.com [orion565] wrote:
>
>
>
>This firmware also has some Orion II-specific minor bug fixes in it. Perhaps all the details will come soon, but the major change was the s-meter option that Harry mentioned. I believe the release has been ready for a week or two but waiting on the new owner/Web site so everyone's patience is appreciated.
>
>
>73, Barry N1EU
>
>
>On Sat, Jan 16, 2016 at 1:25 AM, w5pny@w5pny.com [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
>On the new tentec site (http://www.tentec.com)
>a new page went up today with a link to new
>firmware for the Orion II -- 3.033xe. This
>firmware has the S-Meter table in it that 3.033xd
>has, but includes the option (which is now the default)
>to tie the S-Meter to the AGC like 3.029 did. The Orion I
>had this with it's last firmware release months (years, now it
>seems) ago. I've been waiting for this ever since since
>I can't stand not having the S-Meter tied to the AGC.
>It's an option to have it the either way in the menus.
>I've been on 3.029 waiting for this ever since 3.033xd
>came out, not having been able to stand the S-Meter

>not showing the AGC knee.
>
>Thanks Mike and John (John HAS to have been in on this)!!!!!!
>
>For me at least, this is a super first product on the website
>of the new ownership! I love it! What a relief! Great work!
>
>   73 --
>
>   Harry (W5PNY)
>
>
>
>
> This email has been sent from a virus-free computer protected by Avast.
>www.avast.com
>
>
>
><!-- #ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px; } #ygrp-mkp hr { border: 1px solid #d8d8d8; } #ygrp-mkp #hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0; } #ygrp-mkp #ads { margin-bottom: 10px; } #ygrp-mkp .ad { padding: 0 0; } #ygrp-mkp .ad p { margin: 0; } #ygrp-mkp .ad a { color: #0000ff; text-decoration: none; } #ygrp-sponsor #ygrp-lc { font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%; } #ygrp-sponsor #ygrp-lc .ad { margin-bottom: 10px; padding: 0 0; } #actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } #activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } #activity span { font-weight: 700; } #activity span:first-child { text-transform: uppercase; } #activity span a { color: #5085b6; text-decoration: none; } #activity span span { color: #ff7900; } #activity span .underline { text-decoration: underline; } .attach { clear: both; display: table; font-family: Arial; font-size: 12px; padding: 10px 0; width: 400px; } .attach div a { text-decoration: none; } .attach img { border: none; padding-right: 5px; } .attach label { display: block; margin-bottom: 5px; } .attach label a { text-decoration: none; } blockquote { margin: 0 0 0 4px; } .bold { font-family: Arial; font-size: 13px; font-weight: 700; } .bold a { text-decoration: none; } dd.last p a { font-family: Verdana; font-weight: 700; } dd.last p span { margin-right: 10px; font-family: Verdana; font-weight: 700; } dd.last p span.yshortcuts { margin-right: 0; } div.attach-table div div a { text-decoration: none; } div.attach-table { width: 400px; } div.file-title a, div.file-title a:active, div.file-title a:hover, div.file-title a:visited { text-decoration: none; } div.photo-title a, div.photo-title a:active, div.photo-title a:hover, div.photo-title a:visited { text-decoration: none; } div#ygrp-mlmsg #ygrp-msg p a span.yshortcuts { font-family: Verdana; font-size: 10px; font-weight: normal; } .green { color: #628c2a; } .MsoNormal { margin: 0 0 0 0; } o { font-size: 0; } #photos div { float: left; width: 72px; } #photos div div { border: 1px solid #666666; height: 62px; overflow: hidden; width: 62px; } #photos div label { color: #666666; font-size: 10px; overflow: hidden; text-align: center; white-space: nowrap; width: 64px; } #reco-category { font-size: 77%; } #reco-desc { font-size: 77%; } .replbq { margin: 4px; } #ygrp-actbar div a:first-child { /* border-right: 0px solid #000;*/ margin-right: 2px; padding-right: 5px; } #ygrp-mlmsg { font-size: 13px; font-family: Arial, helvetica,clean, sans-serif; *font-size: small; *font: x-small; } #ygrp-mlmsg table { font-size: inherit; font: 100%; } #ygrp-mlmsg select, input, textarea { font: 99% Arial, Helvetica, clean, sans-serif; } #ygrp-mlmsg pre, code { font:115% monospace; *font-size:100%; } #ygrp-mlmsg * { line-height: 1.22em; } #ygrp-mlmsg #logo { padding-bottom: 10px; } #ygrp-msg p a { font-family: Verdana; } #ygrp-msg p#attach-count span { color: #1E66AE; font-weight: 700; } #ygrp-reco #reco-head { color: #ff7900; font-weight: 700; } #ygrp-reco { margin-bottom: 20px; padding: 0px; } #ygrp-sponsor #ov li a { font-size: 130%; text-decoration: none; } #ygrp-sponsor #ov li { font-size: 77%; list-style-type: square; padding: 6px 0; } #ygrp-sponsor #ov ul { margin: 0; padding: 0 0 0 8px; } #ygrp-text { font-family: Georgia; } #ygrp-text p { margin: 0 0 1em 0; } #ygrp-text tt { font-size: 120%; } #ygrp-vital ul li:last-child {

border-right: none !important; } -->

11132. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-16 13:46:19 UTC
From: jshenry1963@...
Topic: 11128 Message: 11132

Here are the release notes: Yes, on some PCs you will need to run as administrator.
I have tested this download specifically on Win 7, 8, 10, xp, all fine.

As another has noted, TEN-TEC has released a new firmware update for the Orion II 566. (No, it will not work on the Orion 565, there is a similar much older release for it on the rkrdesignsllc website.

Changes include:

2015-12-22 Version V3.033xe
==========
For this release, it is necessary to do the full Master Reset/RAM Clear sequence after the firmware is updated.
1. Download the new installer update file, which will force a Master Reset.
2. Power Down radio.
3. Perform a Master Reset.
4. Power Down radio.
5. Perform a RAM Clear.
6. Power Down radio.
7. Perform a Master Reset.
8. Power Down radio.
9. Power Up radio, and ready to use.

Changes include:
These changes apply to the Main Rx only. The Sub Rx was not changed.

1-Added selection of S-Meter input to Other Menu. Selection is AGC Level or RF Signal. Default is AGC Level. AGC Level means the S-meter will not go lower than the AGC Threshold/Knee; RF Signal means that the S-Meter indicates the signal strength at the antenna,
regardless of current AGC threshold or action. Selection is retained over power cycles.

2-S-meter reading is compensated for ATTN setting, Preamp setting, signal reduction caused by
the analog hardware AGC with strong (> S-9+35) signals, and the RF Gain control.

3-S-meter is calibrated so S-9 is 50 uV across 50 Ohms at the antenna terminals.

4-S-meter calibration routine updated to correct for a missing step in the table.

5-S-meter ballistics follow the Hang Time and Decay Rate of currently selected AGC profile.

Other Changes include:
6-Forced NOTCH to always be OFF after a power cycle. This fixed a problem with the DSP processors
crashing if both NOTCH and NB were ON during a power cycle.

7-Fixed serial command *BS+1

-
73, KI4JPL
John Henry

11133. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-16 15:55:26 UTC
From: Steven Hammond
Topic: 11128 Message: 11133

Thanks but I already tried the RUN AS ADMINISTRATOR (first thing I tried). It just flashes and goes away when I try to update. I bought a dedicated serial (old school - hi) just for this purpose of controlling the radio (didn't have much luck with Serial 2 USB type cables - always a driver issue).

I'll keep poking around. Thanks for the help.

Steven Hammond
KY5M

On 1/16/2016 07:46, jshenry1963@... [orion565] wrote:
>
> Here are the release notes:
>
> Yes, on some PCs you will need to run as administrator.
> I have tested this download specifically on Win 7, 8, 10, xp, all fine.
>
> As another has noted, TEN-TEC has released a new firmware update for
> the Orion II 566. (No, it will not work on the Orion 565, there is a
> similar much older release for it on the rkrdesignsllc website.
>
> Changes include:
>
> 2015-12-22 Version V3.033xe
> ==========
> For this release, it is necessary to do the full Master Reset/RAM
> Clear sequence after the
> firmware is updated.
> 1. Download the new inst aller update file, which will force a Master
> Reset.
> 2. Power Down radio.
> 3. Perform a Master Reset.
> 4. Power Down radio.
> 5. Perform a RAM Clear.
> 6. Power Down radio.
> 7. Perform a Master Reset.
> 8. Power Down radio.
> 9. Power Up radio, and ready to use.
>
> Changes include:
> These changes apply to the Main Rx only. The Sub Rx was not changed.
>
> 1-Added selection of S-Meter input to Other Menu. Selection is AGC
> Level or RF Signal.
> Default is AGC Level. AGC Level means the S-meter will not go lower

> than the AGC
> Threshold/Knee; RF Signal means that the S-Meter indicates the signal
> strength at the antenna,
> regardless of current AGC threshold or action. Selection is retained
> over power cycles.
>
> 2-S-meter reading is compensated for ATTN setting, Preamp setting,
> signal reduction caused by
> the analog hardware AGC with strong (> S-9+35) signals, and the RF
> Gain control.
>
> 3-S-meter is calibrated so S-9 is 50 uV across 50 Ohms at the antenna
> terminals.
>
> 4-S-meter calibration routine updated to correct for a missing step in
> the table.
>
> 5-S-meter ballistics follow the Hang Time and Decay Rate of currently
> selected AGC profile.
>
> Other Changes include:
> 6-Forced NOTCH to always be OFF after a power cycle. This fixed a
> problem with the DSP processors
> crashing if both NOTCH and NB were ON during a power cycle.
>
> 7-Fixed serial command *BS+1
> -----------
> ---
> 73, KI4JPL
> John Henry
>
>
>

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11134. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-16 17:29:21 UTC
From: K Van Horn
Topic: 11128 Message: 11134

Thanks to all involved in this firmware update...especially John H and Howard S. Another thing that was fixed was the graphic bandwidth display of the sub receiver. The old version was totally out to lunch and the 3.033xe version has corrected these errors so that (at least when using the RX-366) it displays correctly!! Thanks Howard and John for all of your TLC, time and caring for fixing all of these things! Let us not forget Mike, N8WFF, for without his efforts, the rest of us could well be out of luck!

73,
kirby k7ec

From: mailto:orion565@yahoogroups.com
Sent: Saturday, 16 January, 2016 08:55
To: orion565@yahoogroups.com
Subject: Re: [orion565] New Orion II Firmware

Thanks but I already tried the RUN AS ADMINISTRATOR (first thing I tried). It just flashes and goes away when I try to update. I bought a dedicated serial (old school - hi) just for this purpose of controlling the radio (didn't have much luck with Serial 2 USB type cables - always a driver issue).

I'll keep poking around. Thanks for the help.

Steven Hammond
KY5M

On 1/16/2016 07:46, jshenry1963@... [orion565] wrote:

Here are the release notes:

Yes, on some PCs you will need to run as administrator.
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2. Power Down radio.
3. Perform a Master Reset.
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6. Power Down radio.

7. Perform a Master Reset.
8. Power Down radio.
9. Power Up radio, and ready to use.

Changes include:
These changes apply to the Main Rx only. The Sub Rx was not changed.

1-Added selection of S-Meter input to Other Menu. Selection is AGC Level or RF Signal. Default is AGC Level. AGC Level means the S-meter will not go lower than the AGC Threshold/Knee; RF Signal means that the S-Meter indicates the signal strength at the antenna,
regardless of current AGC threshold or action. Selection is retained over power cycles.

2-S-meter reading is compensated for ATTN setting, Preamp setting, signal reduction caused by
the analog hardware AGC with strong (> S-9+35) signals, and the RF Gain control.

3-S-meter is calibrated so S-9 is 50 uV across 50 Ohms at the antenna terminals.

4-S-meter calibration routine updated to correct for a missing step in the table.

5-S-meter ballistics follow the Hang Time and Decay Rate of currently selected AGC profile.

Other Changes include:
6-Forced NOTCH to always be OFF after a power cycle. This fixed a problem with the DSP processors
crashing if both NOTCH and NB were ON during a power cycle.

7-Fixed serial command *BS+1

73, KI4JPL
John Henry

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This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11135. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-16 23:06:32 UTC
From: Jerry Rogers
Topic: 11128 Message: 11135

Loaded the 3.033xe version using my Windows 7 laptop. All went without a glitch.

Jerry, ki4ps
Orion ll, Eagle, and Argonaut VI driver

> On Jan 16, 2016, at 12:29 PM, 'K Van Horn' k7ec@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Thanks to all involved in this firmware update...especially John H and Howard S. Another thing that was fixed was the graphic bandwidth display of the sub receiver. The old version was totally out to lunch and the 3.033xe version has corrected these errors so that (at least when using the RX-366) it displays correctly!! Thanks Howard and John for all of your TLC, time and caring for fixing all of these things! Let us not forget Mike, N8WFF, for without his efforts, the rest of us could well be out of luck!
>
> 73,
> kirby k7ec
>
> From: mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Sent: Saturday, 16 January, 2016 08:55
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Subject: Re: [orion565] New Orion II Firmware
>
>
> Thanks but I already tried the RUN AS ADMINISTRATOR (first thing I tried). It just flashes and goes away when I try to update. I bought a dedicated serial (old school - hi) just for this purpose of controlling the radio (didn't have much luck with Serial 2 USB type cables - always a driver issue).
>
> I'll keep poking around. Thanks for the help.
>
> Steven Hammond
> KY5M
>
>
> On 1/16/2016 07:46, jshenry1963@... <mailto:jshenry1963@...> [orion565] wrote:
>>
>> Here are the release notes:
>>
>> Yes, on some PCs you will need to run as administrator.
>> I have tested this download specifically on Win 7, 8, 10, xp, all fine.
>>
>> As another has noted, TEN-TEC has released a new firmware update for the Orion II 566. (No, it will not work on the Orion 565, there is a similar much older release for it on the

rkrdesignsllc website.
>>
>> Changes include:
>>
>> 2015-12-22 Version V3.033xe
>> ==
>> For this release, it is necessary to do the full Master Reset/RAM Clear sequence after
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>> firmware is updated.
>> 1. Download the new inst aller update file, which will force a Master Reset.
>> 2. Power Down radio.
>> 3. Perform a Master Reset.
>> 4. Power Down radio.
>> 5. Perform a RAM Clear.
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>> 7. Perform a Master Reset.
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>> regardless of current AGC threshold or action. Selection is retained over power cycles.
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>> the analog hardware AGC with strong (> S-9+35) signals, and the RF Gain control.
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>> 6-Forced NOTCH to always be OFF after a power cycle. This fixed a problem with the DSP
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>>
>> 7-Fixed serial command *BS+1
>> -----------

>> 73, KI4JPL
>> John Henry
>>
>>

>
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient> This email has been sent from a virus-free computer protected by Avast.
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> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient> This email has been sent from a virus-free computer protected by Avast.
> www.avast.com <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
>
>

11136. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-16 23:07:05 UTC
From: Jerry Rogers
Topic: 11128 Message: 11136

Loaded the 3.033xe version using my Windows 7 laptop. All went without a glitch.

Jerry, ki4ps
Orion ll, Eagle, and Argonaut VI driver

> On Jan 16, 2016, at 12:29 PM, 'K Van Horn' k7ec@... <mailto:k7ec@midrivers.com>
[orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
> Thanks to all involved in this firmware update...especially John H and Howard S. Another thing that was fixed was the graphic bandwidth display of the sub receiver. The old version was totally out to lunch and the 3.033xe version has corrected these errors so that (at least when using the RX-366) it displays correctly!! Thanks Howard and John for all of your TLC, time and caring for fixing all of these things! Let us not forget Mike, N8WFF, for without his efforts, the rest of us could well be out of luck!
>
> 73,
> kirby k7ec
>
> From: mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Sent: Saturday, 16 January, 2016 08:55
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Subject: Re: [orion565] New Orion II Firmware
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>
> Thanks but I already tried the RUN AS ADMINISTRATOR (first thing I tried). It just flashes and goes away when I try to update. I bought a dedicated serial (old school - hi) just for this purpose of controlling the radio (didn't have much luck with Serial 2 USB type cables - always a driver issue).
>
> I'll keep poking around. Thanks for the help.
>
> Steven Hammond
> KY5M
>
>
> On 1/16/2016 07:46, jshenry1963@... <mailto:jshenry1963@...> [orion565] wrote:
>>
>> Here are the release notes:
>>
>> Yes, on some PCs you will need to run as administrator.
>> I have tested this download specifically on Win 7, 8, 10, xp, all fine.
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>> 5. Perform a RAM Clear.
>> 6. Power Down radio.
>> 7. Perform a Master Reset.
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>> These changes apply to the Main Rx only. The Sub Rx was not changed.
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>> 3-S-meter is calibrated so S-9 is 50 uV across 50 Ohms at the antenna terminals.
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>> Other Changes include:
>> 6-Forced NOTCH to always be OFF after a power cycle. This fixed a problem with the DSP
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>> crashing if both NOTCH and NB were ON during a power cycle.
>>
>> 7-Fixed serial command *BS+1
>> -----------

>> 73, KI4JPL
>> John Henry
>>
>>

>
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient> This email has been sent from a virus-free computer protected by Avast.
> www.avast.com <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient> This email has been sent from a virus-free computer protected by Avast.
> www.avast.com <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
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11137. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-17 03:29:02 UTC
From: Steven Hammond
Topic: 11128 Message: 11137

Well, I've spent the afternoon attempting to load the firmware with no luck. It worked under Windows 7 but after the upgrade to Windows 10 (which I really regret) it doesn't work. The program comes up. I check to make sure the com port is correct (COM1). I choose UPDATE RADIO and the screen for the file selection comes up and the goes away immediately. Yes, I'm doing the RUN AS ADMINISTRATOR. It is a serial cable. I've tried adjusting the COM PORT settings (hardware flow control, etc). I've attempted the COMPATIBILITY MODE (windows 7 and XP). Still crashes when the window comes up for the file selection. There are NO events logged in the event log. I don't see any sort of log file in the installation directory.

Dell Dimension C521
3GB RAM
AMD 64
Windows 10 PRO (32 bit)

Are there any COM PORT settings that need to be setup? HRD runs fine using COM1, 57600, CTS,RTS,DTR on (although for some reason I have to run HRD as an ADMIN). The driver for the serial card is up to date. Any suggestions would be greatly appreciated. If there was just an error code it would help.

Just FYI - I'm an I.T. manager with 30+ years in software development including everything Mainframes to microcontrolers. So I'm not afraid to poke around a PC. :-)

I may just wipe the PC and reload it back with Windows 7 PRO. I also have a MAC laptop (no comments please) as well as several Linux boxes. But I assume this is a Windows ONLY tool.

Steven Hammond
KY5M

On 1/16/2016 17:07, Jerry Rogers ki4ps@... [orion565] wrote:
>
> Loaded the 3.033xe version using my Windows 7 laptop. All went
> without a glitch.
>
>
> Jerry, ki4ps
> Orion ll, Eagle, and Argonaut VI driver
>
>
>> On Jan 16, 2016, at 12:29 PM, 'K Van Horn' k7ec@...
>> <mailto:k7ec@...> [orion565] <orion565@yahoogroups.com

>> <mailto:orion565@yahoogroups.com>> wrote:
>>
>>
>> Thanks to all involved in this firmware update...especially John H
>> and Howard S. Another thing that was fixed was the graphic bandwidth
>> display of the sub receiver. The old version was totally out to lunch
>> and the 3.033xe version has corrected these errors so that (at least
>> when using the RX-366) it displays correctly!! Thanks Howard and John
>> for all of your TLC, time and caring for fixing all of these things!
>> Let us not forget Mike, N8WFF, for without his efforts, the rest of
>> us could well be out of luck!
>> 73,
>> kirby k7ec
>> *From:*mailto:orion565@yahoogroups.com
>> *Sent:*Saturday, 16 January, 2016 08:55
>> *To:*orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>> *Subject:*Re: [orion565] New Orion II Firmware
>>
>> Thanks but I already tried the RUN AS ADMINISTRATOR (first thing I
>> tried). It just flashes and goes away when I try to update. I
>> bought a dedicated serial (old school - hi) just for this purpose of
>> controlling the radio (didn't have much luck with Serial 2 USB type
>> cables - always a driver issue).
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>> I'll keep poking around. Thanks for the help.
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>> Steven Hammond
>> KY5M
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>>> Here are the release notes:
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>>> I have tested this downloa d specifically on Win 7, 8, 10, xp, all fine.
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>>> similar much older release for it on the rkrdesignsllc website.
>>> Changes include:
>>> 2015-12-22 Version V3.033xe
>>> ==========
>>> For this release, it is necessary to do the full Master Reset/RAM
>>> Clear sequence after the
>>> firmware is updated.
>>> 1. Download the new inst aller update file, which will force a
>>> Master Reset.
>>> 2. Power Down radio.
>>> 3. Perform a Master Reset.
>>> 4. Power Down radio.
>>> 5. Perform a RAM Clear.

>>> 6. Power Down radio.
>>> 7. Perform a Master Reset.
>>> 8. Power Down radio.
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>>> Changes include:
>>> These changes apply to the Main Rx only. The Sub Rx was not changed.
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>>> than the AGC
>>> Threshold/Knee; RF Signal means that the S-Meter indicates the
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>>> in the table.
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>>> currently selected AGC profile.
>>> Other Changes include:
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>>> problem with the DSP processors
>>> crashing if both NOTCH and NB were ON during a power cycle.
>>> 7-Fixed serial command *BS+1
>>> -----------
>>> ---
>>> 73, KI4JPL
>>> John Henry
>>
>> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-emai
l&utm_content=emai%0A%20lclient>
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l&utm_content=emailclient>
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l&utm_content=emailclient>
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>

11138. Re: New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-17 14:53:33 UTC
From: Doug Waller
Topic: 11128 Message: 11138

Thanks for all your work John Henry! Thanks to all.

I hope this upgraded firmware means there may bean Orion III in our
future !!!

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11140. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-19 22:48:13 UTC
From: twallyboy@...
Topic: 11128 Message: 11140

I upgraded w/o any problem with win10 system. MY Question is based on having 3.033xd installed earlier DO I NEED to go thru a master reset and RAM clear? My document I downloaded from website says no since I already had V3 firmware.. BUT John Henry's post seems to say otherwise .

Jim, N7GVV

11141. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-19 22:51:57 UTC
From: twallyboy@...
Topic: 11128 Message: 11141

If I had v3 firmware installed 3.033xd do I still need to do a master reset, etc.. The update instructions on the website would say no.

73,
Jim, N7GVV

11142. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-20 17:31:52 UTC
From: ve7tk@...
Topic: 11128 Message: 11142

The short answer to this is YES. Always do a Master Reset / RAM Clear after flashing the memory.

Why? Because on rare occasions after flashing the Orion some piece of detritus is left behind and can create problems that no one else duplicate.

Make a list of all your settings in the Orion Menus and re-establish them after the Master Reset and RAM Clear. It just takes a couple of minutes!

73, Rick
VE7TK

11143. RE: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-20 18:14:37 UTC
From: Wayne Bethoney
Topic: 11128 Message: 11143

Can someone tell me how to do a RAM Clear? I am new to the Orion 2.

Thanks Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Wed, 20 Jan 2016 09:31:52 -0800
Subject: Re: [orion565] New Orion II Firmware

The short answer to this is YES. Always do a Master Reset / RAM Clear after flashing the memory.

Why? Because on rare occasions after flashing the Orion some piece of detritus is left behind and can create problems that no one else duplicate.

Make a list of all your settings in the Orion Menus and re-establish them after the Master Reset and RAM Clear. It just takes a couple of minutes!

73, Rick
VE7TK

11144. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-20 19:18:53 UTC
From: Barry N1EU
Topic: 11128 Message: 11144

Look under Operating Hints at http://www.tentecwiki.org/doku.php?id=565

73, Barry N1EU

On Wed, Jan 20, 2016 at 6:14 PM, Wayne Bethoney wbethoney@hotmail.com
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Can someone tell me how to do a RAM Clear? I am new to the Orion 2.
>
>
> Thanks Wayne/WC1C
>
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> To: orion565@yahoogroups.com
> From: orion565@yahoogroups.com
> Date: Wed, 20 Jan 2016 09:31:52 -0800
> Subject: Re: [orion565] New Orion II Firmware
>
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>
> Why? Because on rare occasions after flashing the Orion some piece of
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>
> Make a list of all your settings in the Orion Menus and re-establish them
> after the Master Reset and RAM Clear. It just takes a couple of minutes!
>
>
> 73, Rick
> VE7TK
>
>
>

11145. RE: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-20 20:16:50 UTC
From: Wayne Bethoney
Topic: 11128 Message: 11145

Thanks Barry. Got it..

73 Wayne

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Wed, 20 Jan 2016 19:18:53 +0000
Subject: Re: [orion565] New Orion II Firmware

Look under Operating Hints at http://www.tentecwiki.org/doku.php?id=565
73, Barry N1EU
On Wed, Jan 20, 2016 at 6:14 PM, Wayne Bethoney wbethoney@... [orion565]
<orion565@yahoogroups.com> wrote:

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Thanks Wayne/WC1C

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Subject: Re: [orion565] New Orion II Firmware

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Make a list of all your settings in the Orion Menus and re-establish them after the Master Reset and RAM Clear. It just takes a couple of minutes!

73, Rick
VE7TK

11146. I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-20 22:18:36 UTC
From: allen3500@...
Topic: 11146 Message: 11146

I am not impressed with version 3.033xe, so I went back to version 3.033xd which is much more to MY liking.

Jim wb5twc

11147. New Owner - Deposits for Orion III

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-20 22:48:20 UTC
From: n5tf@...
Topic: 11147 Message: 11147

John Henry in previous posts you mentioned our ability at some point to provide deposits for a new Orion. This is probably a bit premature but I hope that will be an option in the future. Does the new owner support the idea of taking deposits for the Orion III once the dust settles and Ten Tec gets back to engineering and building radios?

I think we had a robust discussion here on ideas for improvement and I hope some of those ideas will be incorporated.

Looking forward to adding an Orion three to my Orion 1 and 2.

Terry,

N5TF

11148. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-21 18:10:34 UTC
From: Jerry Rogers
Topic: 11146 Message: 11148

That’s what makes radios that have upgradable firmware so nice.

Can you tell the Group what you do not like about 3.033xe?

Jerry
ki4ps

> On Jan 20, 2016, at 5:18 PM, allen3500@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> I am not impressed with version 3.033xe, so I went back to version 3.033xd which is much more to MY liking.
>
>
> Jim wb5twc
>
>
>

11149. Re: [orion565] New Orion II Firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-21 19:28:42 UTC
From: Tony Lelieveld
Topic: 11128 Message: 11149

Would it have any benefit to do a Master Reset / Ram Clear Before flashing the memory?

Thanks es 73, Tony VE3DWI.

----- Original Message -----
From: ve7tk@... [orion565]
To: orion565@yahoogroups.com
Sent: Wednesday, January 20, 2016 12:31 PM
Subject: Re: [orion565] New Orion II Firmware

The short answer to this is YES. Always do a Master Reset / RAM Clear after flashing the memory.

Why? Because on rare occasions after flashing the Orion some piece of detritus is left behind and can create problems that no one else duplicate.

Make a list of all your settings in the Orion Menus and re-establish them after the Master Reset and RAM Clear. It just takes a couple of minutes!

73, Rick
VE7TK

11150. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-21 19:58:33 UTC
From: Marty
Topic: 11146 Message: 11150

From what I see, in the new 3.033xe you can go to the MENU under 'Other' and choose the S-Meter to act like it did in the 'xd firmware following the signal. No need to revert back for that reason. John Henry said there were some other minor bug fixes, so I'll stay with the new firmware and set my S-Meter one way or the other, I have't decided yet.

73 Marty / W4MY

> On Jan 20, 2016, at 5:18 PM, allen3500@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I am not impressed with version 3.033xe, so I went back to version 3.033xd which is much more to MY liking.
>
>
>
> Jim wb5twc
>
>

11151. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-21 22:44:40 UTC
From: Jerry & Jean Rogers
Topic: 11146 Message: 11151

With the new firmware you can have the best of both worlds for your S-meter. Like Marty said, go to the menu and select how you want the S-meter to react.

So far I'm using the default setting which is through the AGC. I normally set my RF gain too 50% for most of the bands. Conditions will cause this to vary, but I always strive for the BEST SIGNAL-TO-RAITO.

Sometimes I play with the program AGC settings, and keep the RF gain at 100%. By adjusting the threshold I can duplicate riding the RF Gain.

But for most of the time it’s old school for me, ride the RF gain.

Jerry, ki4ps
Orion Ii, Eagle, and Argonaut VI driver

> On Jan 21, 2016, at 2:58 PM, Marty w4my@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> From what I see, in the new 3.033xe you can go to the MENU under 'Other' and choose the S-Meter to act like it did in the 'xd firmware following the signal. No need to revert back for that reason. John Henry said there were some other minor bug fixes, so I'll stay with the new firmware and set my S-Meter one way or the other, I have't decided yet.
>
> 73 Marty / W4MY
>
> On Jan 20, 2016, at 5:18 PM, allen3500@... <mailto:allen3500@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>>
>>
>> I am not impressed with version 3.033xe, so I went back to version 3.033xd which is much more to MY liking.
>>
>>
>> Jim wb5twc
>>
>>
>
>

11152. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-22 01:30:32 UTC
From: allen3500@...
Topic: 11146 Message: 11152

Well, the main reason I went back to version 3.033xd had to do with the cracking/distortion sound I was getting when only a few hundred hertz off the received frequency. It went away when using the NR at any setting and returned when the NR was turned off. All bands, and all frequencies. That was driving me nuts! The previous version 3.033xd doesn't do that.
I also don't care for the new S meter features. When set to the default setting of AGC, the meter won't drop below S 5, even with the antenna disconnected.
When set to the RF setting it would only drop to S 3.5. In both cases the updated calibration of the S meter caused most strong signals to read 45 to 50 over S9. I don't care for that. With the previous version, 3.033xd, my meter drops back to S1 with no antenna connected, and signals that read S9 on my Yaesu FT1000D, and Heath SS-9000 also read S9 on the Orion II.
That's the beauty of these radios. If you do like one version, just download and install another!
Cheers and 73,
Jim wb5twc

11153. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-22 10:44:41 UTC
From: Jerry & Jean Rogers
Topic: 11146 Message: 11153

Jim: Thanks for the insight on the new version. I will take a closer look at it.

Jerry, ki4ps

> On Jan 21, 2016, at 8:30 PM, allen3500@bellsouth.net [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Well, the main reason I went back to version 3.033xd had to do with the cracking/distortion sound I was getting when only a few hundred hertz off the received frequency. It went away when using the NR at any setting and returned when the NR was turned off. All bands, and all frequencies. That was driving me nuts! The previous version 3.033xd doesn't do that.
> I also don't care for the new S meter features. When set to the default setting of AGC, the meter won't drop below S 5, even with the antenna disconnected.
> When set to the RF setting it would only drop to S 3.5. In both cases the updated calibration of the S meter caused most strong signals to read 45 to 50 over S9. I don't care for that. With the previous version, 3.033xd, my meter drops back to S1 with no antenna connected, and signals that read S9 on my Yaesu FT1000D, and Heath SS-9000 also read S9 on the Orion II.
> That's the beauty of these radios. If you do like one version, just download and install another!
> Cheers and 73,
> Jim wb5twc
>
>

11154. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 00:48:24 UTC
From: Jerry Rogers
Topic: 11146 Message: 11154

Jim: Played with the new version on the Orion II, and also noticed the increase in S-Meter reading in the default mode (AGC level). The meter reads about 10 -15 db higher. I noticed that the
stations that I chat with daily were showing a higher reading so I knew something was wrong.

With no antenna connected using the AGC level my S-meter reads about 3.5 S-units with the RF gain set at 100. When I select RF Signal it drops to 1 S-unit.

Now when I went to CW using a BW about 700 Hz, (in the AGC level mode), the meter drops several more S-units. When I started using the “Off AGC”, and selected the “Threshold” in menu (it showed 0.32 uv), the S-meter dropped
lower than the other AGC selections (Slow, Med, Fast). Once I tried to lower the Threshold even more, it jumped up to 01.00 uv and would not go any lower. So I guess that’s the default.

As for the cracking/distortion sound I do not have that problem.

So as I ramble on in a 360 degree circle the only thing I can see that 3.033xe does is while in the RF Signal mode the S-meter is dampened more then when using 3.033xd. When using the 3.033xd the meter had the Saint Vitus’ dance.

So it will be interesting to hear from others using this upgrade.

Jerry
ki4ps

> On Jan 22, 2016, at 5:44 AM, Jerry & Jean Rogers ki4ps@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Jim: Thanks for the insight on the new version. I will take a closer look at it.
>
>
> Jerry, ki4ps
>
>
>> On Jan 21, 2016, at 8:30 PM, allen3500@bellsouth.net <mailto:allen3500@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>>
>>
>> Well, the main reason I went back to version 3.033xd had to do with the cracking/distortion sound I was getting when only a few hundred hertz off the received frequency. It went away when using the NR at any setting and returned when the NR was turned off. All bands, and all frequencies. That was driving me nuts! The previous version 3.033xd doesn't do that.
>> I also don't care for the new S meter features. When set to the default setting of AGC, the meter won't drop below S 5, even with the antenna disconnected.

>> When set to the RF setting it would only drop to S 3.5. In both cases the updated calibration of the S meter caused most strong signals to read 45 to 50 over S9. I don't care for that. With the previous version, 3.033xd, my meter drops back to S1 with no antenna connected, and signals that read S9 on my Yaesu FT1000D, and Heath SS-9000 also read S9 on the Orion II.
>> That's the beauty of these radios. If you do like one version, just download and install another!
>> Cheers and 73,
>> Jim wb5twc
>>
>
>
>

11155. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 01:10:59 UTC
From: w5pny@...
Topic: 11146 Message: 11155

I don't have any problem setting the minimum
AGC threshold to 0.37.

I also don't have any of the problems Jim lists,
but I'll admit I haven't bothered to play with
S-Meter follows signal level since I hate it so
much. If you can't get the S-Meter to go as
low as S2 with no antenna connected and the RF
Gain at 100, it's probably because your minimum
AGC Threshold is set to 1.00 or even higher.
I expected to see an S2 minimum. Here's why:

S9 is 50uv.

0.37uv is as low as the AGC knee can go.

20*log(50/0.37) is 42.615db

So, when the knee as at 0.37, the S Meter
should be 42.615db below S9. At 6db per
S unit, that would be (9 - (42.615/6)) = 1.9

Therefore when the S Meter follows the AGC knee
you should NEVER expect it to go below S1.9 (S2
for all practical purposes).

If the S Meter is set to follow the signal level,
I'm not sure what you would see because in the
566HISTORY.pdf file included with 3.033xe there is
the following in the Changes list:

5 - S-meter ballistics follow the Hang Time and
Decay Rate of currently selected AGC profile.

This undoubtedly was to fix the wildly fluctuating
S-Meter on receive in 3.033xd that personally drove
me nuts and was one of the reasons I went back to 3.029
until 3.033xe came out. MAYBE a consequence of this
is that even with the S Meter set to follow the signal
level instead of the AGC that it still can't go below
S2.

As nearly as I can tell, received signal levels are
much closer to where they should be with 3.033xe if
one is trying to make his S-Meter be some indication
of microvolts at the antenna terminals. I never
see signals above about S9+30 or 40 any more and with

3.029 they would get close to pinning the meter
frequently. I should take a signal generator
and plot microvolts vs the S-Meter, but I expect it to be much
better. I did do that for 50 microvolts and my
meter is very close to S9 with 3.033xe.
I'm very happy with 3.033xe.

I don't have any of the other issues that Jim seems
to have, no cracking/distortion, no excessively
strongs signals, etc.

73 --

Harry, W5PNY

11156. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 01:37:05 UTC
From: Barry N1EU
Topic: 11146 Message: 11156

You should check your s-meter adjustment after flashing with new firmware:
http://www.tentecwiki.org/lib/exe/fetch.php?media=s-meter_565.pdf

Barry N1EU

On Sat, Jan 23, 2016 at 1:10 AM, w5pny@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> I don't have any problem setting the minimum
> AGC threshold to 0.37.
>
> I also don't have any of the problems Jim lists,
> but I'll admit I haven't bothered to play with
> S-Meter follows signal level since I hate it so
> much. If you can't get the S-Meter to go as
> low as S2 with no antenna connected and the RF
> Gain at 100, it's probably because your minimum
> AGC Threshold is set to 1.00 or even higher.
> I expected to see an S2 minimum. Here's why:
>
> S9 is 50uv.
>
> 0.37uv is as low as the AGC knee can go.
>
> 20*log(50/0.37) is 42.615db
>
> So, when the knee as at 0.37, the S Meter
> should be 42.615db below S9. At 6db per
> S unit, that would be (9 - (42.615/6)) = 1.9
>
> Therefore when the S Meter follows the AGC knee
> you should NEVER expect it to go below S1.9 (S2
> for all practical purposes).
>
> If the S Meter is set to follow the signal level,
> I'm not sure what you would see because in the
> 566HISTORY.pdf file included with 3.033xe there is
> the following in the Changes list:
>
> 5 - S-meter ballistics follow the Hang Time and
> Decay Rate of currently selected AGC profile.
>
> This undoubtedly was to fix the wildly fluctuating
> S-Meter on receive in 3.033xd that personally drove

> me nuts and was one of the reasons I went back to 3.029
> until 3.033xe came out. MAYBE a consequence of this
> is that even with the S Meter set to follow the signal
> level instead of the AGC that it still can't go below
> S2.
>
> As nearly as I can tell, received signal levels are
> much closer to where they should be with 3.033xe if
> one is trying to make his S-Meter be some indication
> of microvolts at the antenna terminals. I never
> see signals above about S9+30 or 40 any more and with
> 3.029 they would get close to pinning the meter
> frequently. I should take a signal generator
> and plot microvolts vs the S-Meter, but I expect it to be much
> better. I did do that for 50 microvolts and my
> meter is very close to S9 with 3.033xe.
> I'm very happy with 3.033xe.
>
> I don't have any of the other issues that Jim seems
> to have, no cracking/distortion, no excessively
> strongs signals, etc.
>
> 73 --
>
> Harry, W5PNY
>
>

11157. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 01:55:14 UTC
From: Jerry Rogers
Topic: 11146 Message: 11157

Thanks Harry for the info. As I go back to all the AGC settings I noticed that the only one that I cannot adjust is the “OFF AGC”. As for the others I can drop the Threshold to 00.37 uv.

Once I select a threshold of 00.37 uv my meter goes to S-2 when “AGC Level” is selected.

But the meter difference between AGC Level is still about 10db’s higher that the RF Level setting.

And for the record I did a S-meter calibration after the reset/Ram clear. But, it’s nice to NOT SEE the S-Meter jumping all over the place.

Again, thanks for the good info,

Jerry, ki4ps

> On Jan 22, 2016, at 8:37 PM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> You should check your s-meter adjustment after flashing with new firmware: http://www.tentecwiki.org/lib/exe/fetch.php?media=s-meter_565.pdf <http://www.tentecwiki.org/lib/exe/fetch.php?media=s-meter_565.pdf>
>
> Barry N1EU
>
> On Sat, Jan 23, 2016 at 1:10 AM, w5pny@... <mailto:w5pny@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
> I don't have any problem setting the minimum
> AGC threshold to 0.37.
>
> I also don't have any of the problems Jim lists,
> but I'll admit I haven't bothered to play with
> S-Meter follows signal level since I hate it so
> much. If you can't get the S-Meter to go as
> low as S2 with no antenna connected and the RF
> Gain at 100, it's probably because your minimum
> AGC Threshold is set to 1.00 or even higher.
> I expected to see an S2 minimum. Here's why:
>
> S9 is 50uv.
>
> 0.37uv is as low as the AGC knee can go.
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> 20*log(50/0.37) is 42.615db

>
> So, when the knee as at 0.37, the S Meter
> should be 42.615db below S9. At 6db per
> S unit, that would be (9 - (42.615/6)) = 1.9
>
> Therefore when the S Meter follows the AGC knee
> you should NEVER expect it to go below S1.9 (S2
> for all practical purposes).
>
> If the S Meter is set to follow the signal level,
> I'm not sure what you would see because in the
> 566HISTORY.pdf file included with 3.033xe there is
> the following in the Changes list:
>
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> Decay Rate of currently selected AGC profile.
>
> This undoubtedly was to fix the wildly fluctuating
> S-Meter on receive in 3.033xd that personally drove
> me nuts and was one of the reasons I went back to 3.029
> until 3.033xe came out. MAYBE a consequence of this
> is that even with the S Meter set to follow the signal
> level instead of the AGC that it still can't go below
> S2.
>
> As nearly as I can tell, received signal levels are
> much closer to where they should be with 3.033xe if
> one is trying to make his S-Meter be some indication
> of microvolts at the antenna terminals. I never
> see signals above about S9+30 or 40 any more and with
> 3.029 they would get close to pinning the meter
> frequently. I should take a signal generator
> and plot microvolts vs the S-Meter, but I expect it to be much
> better. I did do that for 50 microvolts and my
> meter is very close to S9 with 3.033xe.
> I'm very happy with 3.033xe.
>
> I don't have any of the other issues that Jim seems
> to have, no cracking/distortion, no excessively
> strongs signals, etc.
>
> 73 --
>
> Harry, W5PNY
>
>
>
>

11158. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 02:08:08 UTC
From: w5pny@...
Topic: 11146 Message: 11158

Jerry -- When the S-Meter is set to follow the AGC, what you see on the meter
is an S unit corresponding to the level of microvolts where the AGC is, not what the signal level is.

When the S-Meter is set to follow the signal, you don't know what the AGC is
doing by looking at the meter.
You can get the best signal to noise by setting
the AGC level right, which is why I hate this follow the signal level business so much.

I imagine based on hang, delay, etc. the AGC level could be 10db different than the
signal level, and with rapidly varying signal levels they probably never match up.

73 --

Harry, W5PNY

11159. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 02:29:07 UTC
From: Jerry Rogers
Topic: 11146 Message: 11159

Again Harry, thanks for the info. This Orion II is so much fun to play with.

For the book, I could tape over the S-meter for what it's worth to me. I mainly use it to compare signals on SSB. But since I do mostly CW, the S-meter is just there.

PS: One of the things I've enjoyed with the Orion is the ability to adjust the AGC's for different modes. Makes with a very nice listening radio.

Jerry, ki4ps

> On Jan 22, 2016, at 9:08 PM, w5pny@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Jerry -- When the S-Meter is set to follow the AGC, what you see on the meter
> is an S unit corresponding to the level of microvolts where the AGC is, not what the signal level is.
>
> When the S-Meter is set to follow the signal, you don't know what the AGC is
> doing by looking at the meter.
> You can get the best signal to noise by setting
> the AGC level right, which is why I hate this follow the signal level business so much.
>
> I imagine based on hang, delay, etc. the AGC level could be 10db different than the
> signal level, and with rapidly varying signal levels they probably never match up.
>
> 73 --
>
> Harry, W5PNY
>
>

11160. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 02:42:26 UTC
From: w5pny@...
Topic: 11146 Message: 11160

Jerry -- It's so easy with the Orion to get the best SNR IF you set the S-Meter to follow the AGC. With the RF Gain low, increased it until the S-Meter drops to the noise level, (it quits getting any lower)
Than back the RF Gain back down so the S Meter is 1/2 or 1 S unit higher.
You'll be at the AGC for optimium SNR.

There were many dialogs on this on the various tentec lists years ago. You can't play this game without the S-Meter following the AGC.

Between this and that wild fluctuation in 3.033xd, I went back to 3.029 until 3.033xe came out, just because I didn't want to be without this capability.

73 --

Harry, W5PNY

11161. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 02:45:48 UTC
From: w5pny@...
Topic: 11146 Message: 11161

I should have also mentioned, to play the game I just described you really need to leave the AGC Minimum threshold at 0.37 and just to use RF Gain control.

Harry -- W5PNY

11162. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 04:10:37 UTC
From: allen3500@...
Topic: 11146 Message: 11162

Harry, you make some good and valid points.
I may download the update again and do another install. Maybe I picked up a gremlin in the first attempt. Hopefully I can get rid of the crackling/distortion noise with a new download. It won't cost anything to try.
I'll let you all know how it goes!

Cheers and 73!
Jim wb5twc

11163. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 05:07:29 UTC
From: Tony Lelieveld
Topic: 11146 Message: 11163

Barry,
Does the S-meter calibration needs setting, individually, for both modes of S-meter operation?
73, Tony VE3DWI.

----- Original Message -----
From: Barry N1EU barry.n1eu@... [orion565]
To: Orion565
Sent: Friday, January 22, 2016 8:37 PM
Subject: Re: [orion565] I went back to Version 3.033xd

You should check your s-meter adjustment after flashing with new firmware:
http://www.tentecwiki.org/lib/exe/fetch.php?media=s-meter_565.pdf

Barry N1EU

On Sat, Jan 23, 2016 at 1:10 AM, w5pny@... [orion565] <orion565@yahoogroups.com> wrote:

I don't have any problem setting the minimum
AGC threshold to 0.37.

I also don't have any of the problems Jim lists,
but I'll admit I haven't bothered to play with
S-Meter follows signal level since I hate it so
much. If you can't get the S-Meter to go as
low as S2 with no antenna connected and the RF
Gain at 100, it's probably because your minimum
AGC Threshold is set to 1.00 or even higher.
I expected to see an S2 minimum. Here's why:

S9 is 50uv.

0.37uv is as low as the AGC knee can go.

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So, when the knee as at 0.37, the S Meter
should be 42.615db below S9. At 6db per
S unit, that would be (9 - (42.615/6)) = 1.9

Therefore when the S Meter follows the AGC knee
you should NEVER expect it to go below S1.9 (S2
for all practical purposes).

If the S Meter is set to follow the signal level,
I'm not sure what you would see because in the
566HISTORY.pdf file included with 3.033xe there is
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Decay Rate of currently selected AGC profile.

This undoubtedly was to fix the wildly fluctuating
S-Meter on receive in 3.033xd that personally drove
me nuts and was one of the reasons I went back to 3.029
until 3.033xe came out. MAYBE a consequence of this
is that even with the S Meter set to follow the signal
level instead of the AGC that it still can't go below
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As nearly as I can tell, received signal levels are
much closer to where they should be with 3.033xe if
one is trying to make his S-Meter be some indication
of microvolts at the antenna terminals. I never
see signals above about S9+30 or 40 any more and with
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and plot microvolts vs the S-Meter, but I expect it to be much
better. I did do that for 50 microvolts and my
meter is very close to S9 with 3.033xe.
I'm very happy with 3.033xe.

I don't have any of the other issues that Jim seems
to have, no cracking/distortion, no excessively
strongs signals, etc.

73 --

Harry, W5PNY

11164. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 10:22:05 UTC
From: Barry N1EU
Topic: 11146 Message: 11164

No, just once.

Barry N1EU

On Sat, Jan 23, 2016 at 5:07 AM, 'Tony Lelieveld' va3dwi@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> □
> Barry,
> Does the S-meter calibration needs setting, individually, for both modes
> of S-meter operation?
> 73, Tony VE3DWI.
>
>
> ----- Original Message -----
> *From:* Barry N1EU barry.n1eu@... [orion565]
> <barry.n1eu@...+[orion565]>
> *To:* Orion565 <orion565@yahoogroups.com>
> *Sent:* Friday, January 22, 2016 8:37 PM
> *Subject:* Re: [orion565] I went back to Version 3.033xd
>
>
>
> You should check your s-meter adjustment after flashing with new firmware:
> http://www.tentecwiki.org/lib/exe/fetch.php?media=s-meter_565.pdf
>
> Barry N1EU
>
> On Sat, Jan 23, 2016 at 1:10 AM, w5pny@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> I don't have any problem setting the minimum
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>> I also don't have any of the problems Jim lists,
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>> S-Meter follows signal level since I hate it so
>> much. If you can't get the S-Meter to go as
>> low as S2 with no antenna connected and the RF
>> Gain at 100, it's probably because your minimum
>> AGC Threshold is set to 1.00 or even higher.

>> I expected to see an S2 minimum. Here's why:
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>> S9 is 50uv.
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>> Therefore when the S Meter follows the AGC knee
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>> is that even with the S Meter set to follow the signal
>> level instead of the AGC that it still can't go below
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>> one is trying to make his S-Meter be some indication
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>> and plot microvolts vs the S-Meter, but I expect it to be much
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>> I'm very happy with 3.033xe.
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>> I don't have any of the other issues that Jim seems
>> to have, no cracking/distortion, no excessively
>> strongs signals, etc.
>>
>> 73 --

>>
>> Harry, W5PNY
>>
>
>
>

11165. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 19:36:51 UTC
From: allen3500@...
Topic: 11146 Message: 11165

Good news, guys!!

I deleted the original download of version 3.033xe and downloaded a fresh copy.
After doing the installation of the new firmware again, all seems to be working great!
No more crackling or distortion, and the meter is behaving in a much more predictable and acceptable manner.
I guess I must have picked up a gremlin during the initial download. I had this happen once several years ago as I was upgrading a Pegasus. The radio acted really weird and unstable, and would only load to 25 watts into a dummy load. I went thru the update process again with a new copy of the download, as suggested by Carl Moreschi (N4PY), and all was well.
So, I just wanted to let you all know that I'm back to running version 3.033xe, and all is now well in Camelot!
Thanks for all of your replies!

Cheers an 73,
Jim wb5twc

11166. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 19:44:14 UTC
From: Tony
Topic: 11146 Message: 11166

If you don't succeed at first, try and try again hi... hi. I haven't updated my O2 yet but will be soon.
73, Tony VE3DWI.

Sent?from?my?BlackBerry?10?smartphone?on?the?Bell?network.

From: allen3500@bellsouth.net [orion565]
Sent: Saturday, January 23, 2016 14:37
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Subject: Re: [orion565] I went back to Version 3.033xd

?

Good news, guys!!

I deleted the original download of version 3.033xe and downloaded a fresh copy.
After doing the installation of the new firmware again, all seems to be working great!
No more crackling or distortion, and the meter is behaving in a much more predictable and acceptable manner.
I guess I must have picked up a gremlin during the initial download. I had this happen once several years ago as I was upgrading a Pegasus. The radio acted really weird and unstable, and would only load to 25 watts into a dummy load. I went thru the update process again with a new copy of the download, as suggested by Carl Moreschi (N4PY), and all was well.
So, I just wanted to let you all know that I'm back to running version 3.033xe, and all is now well in Camelot!
Thanks for all of your replies!

Cheers an 73,
Jim wb5twc

11167. Re: [orion565] I went back to Version 3.033xd

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-23 22:42:31 UTC
From: Jerry Rogers
Topic: 11146 Message: 11167

Jim: Glad to hear the good news.

It's nice that you shared your first comments about the version. That keep it going with some great input from the Orion gang.
The Yahoo groups are a wealth of info.

73

Jerry, ki4ps

> On Jan 23, 2016, at 2:44 PM, Tony va3dwi@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> If you don't succeed at first, try and try again hi... hi. I haven't updated my O2 yet but will be soon.
> 73, Tony VE3DWI.
>
> Sent from my BlackBerry 10 smartphone on the Bell network.
> From: allen3500@... <mailto:allen3500@...> [orion565]
> Sent: Saturday, January 23, 2016 14:37
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Reply To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Subject: Re: [orion565] I went back to Version 3.033xd
>
>
>
> Good news, guys!!
>
> I deleted the original download of version 3.033xe and downloaded a fresh copy.
> After doing the installation of the new firmware again, all seems to be working great!
> No more crackling or distortion, and the meter is behaving in a much more predictable and acceptable manner.
> I guess I must have picked up a gremlin during the initial download. I had this happen once several years ago as I was upgrading a Pegasus. The radio acted really weird and unstable, and would only load to 25 watts into a dummy load. I went thru the update process again with a new copy of the download, as suggested by Carl Moreschi (N4PY), and all was well.
> So, I just wanted to let you all know that I'm back to running version 3.033xe, and all is now well in Camelot!
> Thanks for all of your replies!
>
> Cheers an 73,
> Jim wb5twc
>
>
>

>
>

11168. Hello new to group have Orion 565 with serial port Issue

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-25 20:42:11 UTC
From: Harry Large
Topic: 11168 Message: 11168

First of all thanks for letting me into the group. I am getting an Orion 565 that will be here by Friday. I took it and a Tentec Black case Blue Face Jupiter in trade on another piece of equipment(SDR Radio). Everything works on the Orion except the serial port is not working as far as I know. What are the best troubleshooting tips the check out the serial port and if need be where or who can I send it to to fix it if possible I don't really want to send to tentec . I had an Orion several years ago and loved the rig and I picked this one up for almost nothing. Again thank you so much for letting me join the group.

Harry Large AH6FF/W3

USAF Smsgt Retired

11169. Re: [orion565] Hello new to group have Orion 565 with serial port Issue

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-26 01:28:11 UTC
From: Harry
Topic: 11168 Message: 11169

am using your address of QTH and mine is good on qth or qrz also

----- Original Message -----

From: "'Harry Large' harry.large@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Monday, January 25, 2016 3:42:11 PM
Subject: [orion565] Hello new to group have Orion 565 with serial port Issue

First of all thanks for letting me into the group. I am getting an Orion 565 that will be here by Friday. I took it and a Tentec Black case Blue Face Jupiter in trade on another piece of equipment(SDR Radio). Everything works on the Orion except the serial port is not working as far as I know. What are the best troubleshooting tips the check out the serial port and if need be where or who can I send it to to fix it if possible I don’t really want to send to tentec . I had an Orion several years ago and loved the rig and I picked this one up for almost nothing. Again thank you so much for letting me join the group.

Harry Large AH6FF/W3

USAF Smsgt Retired

11170. Firmware update

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-26 04:10:34 UTC
From: Steven Hammond
Topic: 11168 Message: 11170

Well, I finally go the update installed on my Orion II. Had to forgo my Windows 10 (will wipe it clean and reload Windows 7 Pro this weekend) and use the XYL's old XP workstation (hi). But it installed the update fine. I tried the feature where the S-METER MODE set to AGC. Didn't really care for that. Reminded me of my old Yaesu FT-2000 when I would adjust the RF GAIN (acted like a squelch control). I'm sure some prefer that, and that's fine, as long as I can go back to using the RF SIGNAL, that's great.

I did the RAM CLEAR, MASTER RESET, and S METER CALIBRATION (using a dummy load), but the meter no seems stingy to what it used to be. But that also means my noise level appears lower (S3 tonight on 80M). Honestly though, I don't care as long as I can still hear them and make QSO's. :-)

The only mistake I made was trusting my MEMORY to reset all the settings. I usually just set them up and forget about them. Well i forgot most of my settings as well (hi). So, if anyone has good suggestions for the AGC (slow, med, fast, prog), I would appreciate it.

The only thing I wished it did was track the power and maybe the agc per MODE. I like to run 5W on CW mode most of the time (QRP) and then 80-100W when using LSB/USB modes. But that's just nit picking. It is a good radio and would trade it (except maybe for an Orion III). :-)

Steven Hammond
KY5M

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11171. Logic board A7

Yahoo group: orion565 (2014 — 2017)
Date: 2016-01-29 14:05:37 UTC
From: Harry Large
Topic: 11171 Message: 11171

I am looking for a logic/dsp board for my orion565. Please let me know.

Harry

AH6FF

11172. Power meter adjustment on ORION II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-02 01:52:10 UTC
From: on5gq@...
Topic: 11172 Message: 11172

Hello,

I like to know if it is possible to adjust the power reading on the meter of the front panel.
When I adjust the power output with the "Multi" knob to 50 watts on a dummy load the meter reading is about 75 watts. The power indication on the large screen is extact.
Thanks in advance for any help.

73
Ben
ON5GQ

11173. orion 565@yahoogroups.com help

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-03 18:56:59 UTC
From: sv7boy@...
Topic: 11173 Message: 11173

Έχω στην κατοχή μου το 565 ORION
Το PCB 81963 DIST POWER καταστραφεί A9
Στο JP2 έχει 13.8V δεν έχει 5V
Σε JP1 δεν έχει 20.5V

11174. help 565 ORION

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-03 23:06:39 UTC
From: sv7boy@...
Topic: 11174 Message: 11174

I own the 565 ORION
The DIST POWER destroyed A9
In JP2 is 13.8V pin jp2 1-2
no 5V pin 5 -6

In JP1 has 20.5V
aware Palace Help

SV7BOY

11175. Parts

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-04 14:01:19 UTC
From: Harry Large
Topic: 11175 Message: 11175

Hello I am looking for a logic board for my Orion , I have a gentleman looking at the board to see if he can help me out but I want to keep the radio so I am in search of spares . I do not want to part this nice radio out but if I have to I will take a list of parts that people need . Have a great day
Harry
AH6FF
USAF Smsgt Retired

11176. Re: [orion565] Parts

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-04 15:46:19 UTC
From: denton sprague
Topic: 11175 Message: 11176

I had TT replace the logic board not too long ago in my orion….cost of the board was $550.00 at that time. I also had them bring the rig totally up to snuff…relaxing the caps on the regulator board and a new battery.
since then the orion has developed an intermittent problem with the sub receiver…sometimes works, sometimes not. Am told it is corrosion on the pins of the interconnect cables.
Since then have procured an orion 2 so the orion 1 is up for grabs…want $1200.00 for the rig.
includes manual, mic and stand and has full filter complement.

> On Feb 4, 2016, at 6:01 AM, Harry Large harry.large@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Hello I am looking for a logic board for my Orion , I have a gentleman looking at the board to see if he can help me out but I want to keep the radio so I am in search of spares . I do not want to part this nice radio out but if I have to I will take a list of parts that people need . Have a great day
> Harry
> AH6FF
> USAF Smsgt Retired
>
>

11177. HELP ORION 565 TEN TEC

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-05 13:44:28 UTC
From: sv7boy@...
Topic: 11177 Message: 11177

change to lt1054cs8, nte378, nte377 and all capacitor

I own the 565 ORION
The DIST POWER destroyed A9
In JP2 is 13.8V pin jp2 1-2 ok
no 5V pin 5 -6

In JP1 no 20.5V
aware Palace Help

SV7BOY

11178. Re: [orion565] HELP ORION 565 TEN TEC

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-05 14:22:30 UTC
From: Barry N1EU
Topic: 11177 Message: 11178

I really wouldn't know where to begin in troubleshooting a component failure on this board. What I would try is pulling the A9 board out of the Orion and powering it on a test bench with +13.8V to JP2 pins 1 & 2 and ground to JP2 pins 7 & 8. When that is done, do you see +5V output at JP2 pins 5 & 6 and -20.5V between JP1 pins 1 & 2? I suggest this in order to rule out a problem in the Orion circuits being powered by the A9 board.

You might also consider buying an A9 board from someone parting out an Orion.

73, Barry N1EU

On Fri, Feb 5, 2016 at 8:44 AM, sv7boy@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> [image: Ενσωματωμένη εικόνα]
>
> change to lt1054cs8, nte378, nte377 and all capacitor
>
>
> I own the 565 ORION
>
> The DIST POWER destroyed A9
>
> In JP2 is 13.8V pin jp2 1-2 ok
>
> no 5V pin 5 -6
>
> In JP1 no 20.5V
>
> aware Palace Help
>
> SV7BOY
>
>
> .
>
>
>

11179. Σχετ: [orion565] HELP ORION 565 TEN TEC

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-05 14:39:30 UTC
From: jim jim
Topic: 11177 Message: 11179

I + 1.56V output at JP2 pins 5 & 6 and -0.5V between JP1 pins 1 & 2 problem in the Orion circuits being powered by the A9 board. Maybe and -0.5V between JP1 pins 1 & 2

Στις 4:22 μ.μ. Παρασκευή, 5 Φεβρουαρίου 2016, ο/η "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> έγραψε:

I really wouldn't know where to begin in troubleshooting a component failure on this board. What I would try is pulling the A9 board out of the Orion and powering it on a test bench with +13.8V to JP2 pins 1 & 2 and ground to JP2 pins 7 & 8. When that is done, do you see +5V output at JP2 pins 5 & 6 and -20.5V between JP1 pins 1 & 2? I suggest this in order to rule out a problem in the Orion circuits being powered by the A9 board.
You might also consider buying an A9 board from someone parting out an Orion.

73, Barry N1EU
On Fri, Feb 5, 2016 at 8:44 AM, sv7boy@... [orion565] <orion565@yahoogroups.com> wrote:

change to lt1054cs8, nte378, nte377 and all capacitor

I own the 565 ORION
The DIST POWER destroyed A9In JP2 is 13.8V pin jp2 1-2 okno 5V pin 5 -6In JP1 no 20.5Vaware Palace Help
SV7BOY

.

11180. ORION II 566 no RF output

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-09 08:56:25 UTC
From: pa5mw@...
Topic: 11180 Message: 11180

Hi,

My ORION II 566 does not show any RF output after:

- Front panel PCB was removed for cleaning connectors and flatband cables with De-Oxit. Extensively tested for RX afterwards (but not TX...)
- Unit was transported to another station (100km) to fit into a position where they already use a 565

Remarks:
- all settings have been verified
- Master reset was done

- memory backup battery has been replaced two months ago
- A9 board was modified two yrs ago

During the noted failure the display showed:
- a "C" next to TRS
- after master reset now an "A" next to TRS

Anyone have a clue here?

73 Mark, PA5MW

11181. Re: [orion565] ORION II 566 no RF output

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-09 10:21:40 UTC
From: Barry N1EU
Topic: 11180 Message: 11181

The "A" and "C" are simply the stacking band register currently selected.

I would just check the TX menu that keying loop is off, transverter is off
and transmit is on.

If that doesn't fix it, I would reflash the firmware. If that doesn't fix
it, I'd dis-assemble the front panel down to the level you had it before
and carefully re-assemble.

73, Barry N1EU

On Tue, Feb 9, 2016 at 8:56 AM, pa5mw@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hi,
>
>
> My ORION II 566 does not show any RF output after:
>
>
> - Front panel PCB was removed for cleaning connectors and flatband cables
> with De-Oxit. Extensively tested for RX afterwards (but not TX...)
>
> - Unit was transported to another station (100km) to fit into a position
> where they already use a 565
>
>
>
> Remarks:
>
> - all settings have been verified
>
> - Master reset was done
>
>
> - memory backup battery has been replaced two months ago
>
> - A9 board was modified two yrs ago
>
>
>
> During the noted failure the display showed:
>
> - a "C" next to TRS

>
> - after master reset now an "A" next to TRS
>
>
>
> Anyone have a clue here?
>
>
> 73 Mark, PA5MW
>
>
>
>

11182. Re: CAT info from TT565 makes N1MM+ go mad

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-09 11:42:45 UTC
From: pa5mw@...
Topic: 11092 Message: 11182

a short update on this topic;

We tested my Microham MKII at a friend who also uses an 565 +MKII.
Care was taken to check the setup as the USB router program nw finds a "new MKII connected".
It showed exactly the same behavior.

The MKII will be returned to Microham for repair.

I will return here as soon as that has been done and operation in my setup has been positively re-confirmed again.

73 Mark, PA5MW

p.s. the sun does not shine brighter at the other end; the Elecraft K3 I borrowed for doing the CQ160 contest, broke down after 10 QSO's in the contest, after preliminary been tested successful in the Stew Perry for 24hrs in the same setup... :)

11183. Re: [orion565] ORION II 566 no RF output

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-09 15:50:09 UTC
From: Jim Warner
Topic: 11180 Message: 11183

I would revisit the "front panel PCB was removed" step and double check
everything is plugged in and in the right socket.
If that checks good, elaborate if the "no RF output" condition is the
unit not keying/switching to transmit, or the transmitter is
keying(receiver muting, etc), but not producing RF output in cw/ssb mode.
What condition existed that prompted the need to clean the connections
up front?
Jim WA9Z

On 2/9/2016 2:56 AM, pa5mw@... [orion565] wrote:
> Hi,
>
>
> My ORION II 566 does not show any RF output after:
>
>
> - Front panel PCB was removed for cleaning connectors and flatband
> cables with De-Oxit. Extensively tested for RX afterwards (but not TX...)
>
> - Unit was transported to another station (100km) to fit into a position
> where they already use a 565
>
>
>
> Remarks:
>
> - all settings have been verified
>
> - Master reset was done
>
>
> - memory backup battery has been replaced two months ago
>
> - A9 board was modified two yrs ago
>
>
>
> During the noted failure the display showed:
>
> - a "C" next to TRS
>
> - after master reset now an "A" next to TRS
>
>
>

> Anyone have a clue here?
>
>
> 73 Mark, PA5MW
>
>
>

11184. Re: [orion565] ORION II 566 no RF output

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-09 16:36:24 UTC
From: K Van Horn
Topic: 11180 Message: 11184

Hi Mark,
There was a bug in the firmware that”might” be working its magic on you if you have not loaded the latest firmware(3.033xe) which corrected the problem. If too many receiver features were left on at the last power down, the DSP crashes on the next power up and then neither the receiver or transmitter will function. Just a thought.
73, Kirby k7ec

From: mailto:orion565@yahoogroups.com
Sent: Tuesday, 9 February, 2016 08:50
To: orion565@yahoogroups.com
Subject: Re: [orion565] ORION II 566 no RF output

I would revisit the "front panel PCB was removed" step and double check
everything is plugged in and in the right socket.
If that checks good, elaborate if the "no RF output" condition is the
unit not keying/switching to transmit, or the transmitter is
keying(receiver muting, etc), but not producing RF output in cw/ssb mode.
What condition existed that prompted the need to clean the connections
up front?
Jim WA9Z

On 2/9/2016 2:56 AM, pa5mw@... [orion565] wrote:
> Hi,
>
>
> My ORION II 566 does not show any RF output after:
>
>
> - Front panel PCB was removed for cleaning connectors and flatband
> cables with De-Oxit. Extensively tested for RX afterwards (but not TX...)
>
> - Unit was transported to another station (100km) to fit into a position
> where they already use a 565
>
>
>
> Remarks:
>
> - all settings have been verified
>
> - Master reset was done
>
>
> - memory backup battery has been replaced two months ago
>
> - A9 board was modified two yrs ago

>
>
>
> During the noted failure the display showed:
>
> - a "C" next to TRS
>
> - after master reset now an "A" next to TRS
>
>
>
> Anyone have a clue here?
>
>
> 73 Mark, PA5MW
>
>
>

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https://www.avast.com/antivirus

11185. Orion firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-10 07:41:37 UTC
From: <larsake5707@...>
Topic: 7049 Message: 11185

Hi outthere, I am new tothis group and Irecently became the owner of one “untouched” Orion 565. The rig has the firstfirmware installed.My questionis; can I do the internal modification and install the latest firmware, or do Ihave to install all the firmware’s between the first and the latest? With kindregardsLars/SM6CGI

11186. Re: [orion565] Orion firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-10 10:56:19 UTC
From: Barry N1EU
Topic: 7049 Message: 11186

The only reason you need to "v2" mod is if you want to run the Sweep with the later firmware. I personally find the sweep useless and if I had to do it all over again, I would probably skip doing the mod.

Yes, you can skip everything and install the very latest firmware. The sweep will only work if you perform the hardware mod.

73, Barry N1EU

On Wed, Feb 10, 2016 at 2:41 AM, larsake5707@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi out there,
>
> I am new to this group and I recently became the owner of one “untouched”
> Orion 565. The rig has the first firmware installed.
> My question is; can I do the internal modification and install the latest
> firmware, or do I have to install all the firmware’s between the first and
> the latest?
>
> With kind regards
> Lars/SM6CGI
>
>
>

11187. Re: Orion firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-10 15:27:22 UTC
From: Rolf Krogstad
Topic: 7049 Message: 11187

Lars,
The firmware upgrades are not dependent on the previous firmware.
A firmware upgrade completely overwrites the previous firmware.
Since you have an unmodified Orion, There is the internal modification
which must be done before you can use the Sweep Function in Version 2.

Check out the Ten-Tec wiki: http://www.tentecwiki.org/doku.php?id=565

http://www.tentecwiki.org/lib/exe/fetch.php?media=orion_v2_logic_mod.pdf

73 es GL

Rolf NR0T

11188. latest download rom flash from TT

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-10 17:02:03 UTC
From: denton sprague
Topic: 11180 Message: 11188

Just did the latest download and rom(?) flash from the new TT site…pretty nice, at least the s meter needle isn’t acting like it isn’t so nervous!
It seems like the receive is also much clearer…if an Orion II’s receiver can get any better!

11189. Re: [orion565] latest download rom flash from TT

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-10 17:09:39 UTC
From: Tony
Topic: 11180 Message: 11189

I totally agree. ?

Sent?from?my?BlackBerry?10 smartphone?on?the?Bell?network.

From: denton sprague denton@... [orion565]
Sent: Wednesday, February 10, 2016 12:02
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Cc: Discussion of Ten-Tec Equipment
Subject: [orion565] latest download rom flash from TT

?

Just did the latest download and rom(?) flash from the new TT site…pretty nice, at least the s meter needle isn't acting like it isn't so nervous!
It seems like the receive is also much clearer…if an Orion II's receiver can get any better!

11190. Re: [orion565] latest download rom flash from TT

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-10 17:18:59 UTC
From: Tony
Topic: 11180 Message: 11190

I totally agree. ?The S-meter now follows the AGC characteristics such as attack, hang time and decay rate, which are all adjustable, ?while still following the signal level at the antenna. I've gotten away entirely from the "S-meter following the RF gain setting" mode but it is great to have the option of choosing between one or the other.☐ Way to go Ten-Tec. Thank you for listening to us and following up on it too.
73, Tony VE3DWI.

Sent?from?my?BlackBerry?10 smartphone?on?the?Bell?network.

From: denton sprague denton@... [orion565]
Sent: Wednesday, February 10, 2016 12:02
To: orion565@yahoogroups.com
Reply To: orion565@yahoogroups.com
Cc: Discussion of Ten-Tec Equipment
Subject: [orion565] latest download rom flash from TT

?

Just did the latest download and rom(?) flash from the new TT site…pretty nice, at least the s meter needle isn’t acting like it isn’t so nervous!
It seems like the receive is also much clearer…if an Orion II’s receiver can get any better!

11191. Re: ORION II 566 no RF output

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-10 18:21:16 UTC
From: pa5mw@...
Topic: 11180 Message: 11191

Unfortunately the 566 sits 125km away from here.

The sw version is the one pre-latest version.

The reason I did the front panel contacts cleaning job:
The OII would go nuts after about 3minutes using the controls; sub RX no reception, main RX heavily distorted, zillion awkward artifacts in the sound etc..
That later (after the front panel pcb job) turned out to be cause I set the DSP filter length to 169 taps(will initiate a separate topic for the why)
Resetting it to 199 would solve the issue on the fly. And could be repeated again and again.
So the front pcb job was not necessary.

I will have to wait untill the iunit arrives back

73 Mark, PA5MW

11192. Sweep & Keyboard failure Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-11 03:22:59 UTC
From: garybal@...
Topic: 11192 Message: 11192

I'm new to the group and hoping some one can lead me in the right direction. With no service department at Ten Tec at this time, I'm trying to solve or find one that can repair the radio. While working CW on 20 meter in rx mode I went to change the step. When I did this the band went from 20 to 80 meters and the frequency enter and band change buttons ceased to work and the sweep quit working.. I could change frequency with the tuning knobs but not the other. I reduced power and when I transmitted the LCD screen got bright and started to fade out. The radio has been back to Ten Tec several times for repair since I purchased it. Last time in 2013 for repair and new sub receiver. Do you have any suggestions?
Thanks for the help
Gary Balbach KD6XP

11193. Re: [orion565] Sweep & Keyboard failure Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-11 03:47:20 UTC
From: Mike Mermagen
Topic: 11192 Message: 11193

Not speaking from any particular experience or knowledge, but did you try reinstalling the firmware?
Mike
K3WAS

On Wed, Feb 10, 2016 at 10:22 PM, garybal@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I'm new to the group and hoping some one can lead me in the right
> direction. With no service department at Ten Tec at this time, I'm trying
> to solve or find one that can repair the radio. While working CW on 20
> meter in rx mode I went to change the step. When I did this the band went
> from 20 to 80 meters and the frequency enter and band change buttons ceased
> to work and the sweep quit working.. I could change frequency with the
> tuning knobs but not the other. I reduced power and when I transmitted the
> LCD screen got bright and started to fade out. The radio has been back to
> Ten Tec several times for repair since I purchased it. Last time in 2013
> for repair and new sub receiver. Do you have any suggestions?
> Thanks for the help
> Gary Balbach KD6XP
>
>
>
>

11194. Re: [orion565] Sweep & Keyboard failure Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-11 04:51:50 UTC
From: garybal@...
Topic: 11192 Message: 11194

No I didn't. Tried several master resets but that didn't work either

11195. Re: [orion565] Sweep & Keyboard failure Orion 565

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-11 17:29:20 UTC
From: Billy Cox
Topic: 11192 Message: 11195

Good Morning Gary,

Just to be 100% certain ... is the main power connection
on the back of the rig solid ... if there is any looseness at
that connection, pushing on the front panel may, key word
may be wiggling it back there?

It's a simple check, just to confirm that is a solid connection.

Hope this helps!

73 de Billy, AA4NU

----- Original Message -----

From: "garybal@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Wednesday, February 10, 2016 10:51:50 PM
Subject: Re: [orion565] Sweep & Keyboard failure Orion 565

No I didn't. Tried several master resets but that didn't work either

11196. A Big Help fixing my Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-12 23:59:09 UTC
From: Harry Large
Topic: 11196 Message: 11196

Hello
Several weeks ago I picked up a TenTec Orion that would not work with any serial port functions. I tried to find the parts to fix it but could no do so. While reading the messages for this type of problem I can across a message from NN3RP and his orion problem and he had mentioned AC2FC Arek from New Jersey. Well at this point I needed someone who had
the knowledge to share and lead me in the right direction to repair my radio. Well I was not getting any where when I called Arek back and ask a few more questions and he suggested I send the radio to him to see if he could do any thing with it. Well off it went to NJ three days later I got a call form Arek stating that someone had been messing on the inside of the
Orion and the serial port chip was missing and had been jumped and played with and it was hopefully only a serial port. Sell a couple of days later I recieved a couple of emails with photos and one with a video. Yep there it was my Orion up an running with a new serial port and 3 or 4 hours and painstaking process of replacing smd chips the serial chip and he updated it to the latest version of TEnTEc updates. He also took the time to install a new battery , and caps on the A9 board. The Orion arrived back home today and its on the bench running thanks to Arek Ac2Fc.. He didn’t want to take anything for the repair times he said he does it for the Users group and the ham communitybut I insisted that we take care of his time but no where what it would cost if I had sent it to some repair centers.
Arek I Thank you so much and thanks for making this old Ham smile, you my friend are a extremely great Guy
Harry Large
AH6FF
USAF Retired SMSgt

11197. Re: A Big Help fixing my Orion

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-13 11:27:21 UTC
From: n5tf@...
Topic: 11196 Message: 11197

Harry,
I am so happy for you and what a great example of Ham's helping each other. Enjoy the Orion, it's one great radio!

Terry,

N5TF

11198. psk problems on 10 12 15 20 mtrs

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-13 19:03:26 UTC
From: n8fl@...
Topic: 11198 Message: 11198

I have an Orion and on psk31 on 10 12 15 and 20 mtrs power doesn't seam to go above 5 to 10 watts on these bands on psk mode, no matter where I have my sound card level set, on ssb and cw on these bands full power no problem and on 75 and 40 mtrs psk is just fine.My sound card is the ten tec mod 712. Any Ideas??
thanks de N8FL/ Alan

11199. Microphone adapter

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-14 20:28:43 UTC
From: donkn5i@...
Topic: 11199 Message: 11199

Has anyone built an adapter, SM-8 mike to Orion II? I have built many to other radios but after several wiring checks and even building a completely new adapter will only key, but no audio. SM-8 adapter I built to Kenwood TS-2000 and Icom IC-7100 works great.

11200. Re: [orion565] Microphone adapter

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-14 20:31:10 UTC
From: Billy Cox
Topic: 11199 Message: 11200

Hi Don,

The Orion II uses the same pin arrangement as Yaesu ...

Hope this helps!

73 de Billy, AA4NU

----- Original Message -----

From: "donkn5i@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Sunday, February 14, 2016 8:28:43 PM
Subject: [orion565] Microphone adapter

Has anyone built an adapter, SM-8 mike to Orion II? I have built many to other radios but after several wiring checks and even building a completely new adapter will only key, but no audio. SM-8 adapter I built to Kenwood TS-2000 and Icom IC-7100 works great.

11201. Re: [orion565] Microphone adapter

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-15 00:41:48 UTC
From: donkn5i@...
Topic: 11199 Message: 11201

Know pin outs for both. However adapter doesn't work. Tentec has 10V on Pin 2 and the SM-8 is used to seeing 8V on the same pin is the only thing I can see that is different. Didn't think a two volt difference would shut down audio on SM-8. I am going to put a resistor in line with Pin 2 to drop the voltage and see if that works.

11202. Looking for a Tentec 1210 transverter

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-15 16:06:32 UTC
From: katz.ajamas@...
Topic: 11202 Message: 11202

I'm looking for a Tentec 1210 transverter kit.
Assembled is OK.
Consider dead or alive.
73, Bob ah7i/w4

11203. RE: [orion565] Looking for a Tentec 1210 transverter

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-16 00:49:51 UTC
From: Andrew B Steen
Topic: 11202 Message: 11203

Bob.

I have one in mint condition, with new manual.

Please respond to my email address.

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, February 15, 2016 8:07 AM
To: orion565@yahoogroups.com
Subject: [orion565] Looking for a Tentec 1210 transverter

I'm looking for a Tentec 1210 transverter kit.

Assembled is OK.

Consider dead or alive.

73, Bob ah7i/w4

11204. Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 12:55:40 UTC
From: Richard Kruse
Topic: 11204 Message: 11204

My first post. Just replaced both batteries in rig. starts up but no ssb, works ok on cw. I did the VFOB LCK reset and the normal reset, answering yes to all questions except “is radio 366” installed. I reset 15 to 20 times. still nothing on ssb. Any suggestions?
Regards,
Dick Kruse
K8GTQ

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https://www.avast.com/antivirus

11205. RE: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 13:35:37 UTC
From: Duane Calvin
Topic: 11204 Message: 11205

You might try reloading the firmware – something could have gotten corrupted.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, February 21, 2016 6:56 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 2 no ssb after battery replacement

My first post. Just replaced both batteries in rig. starts up but no ssb, works ok on cw. I did the VFOB LCK reset and the normal reset, answering yes to all questions except “is radio 366” installed. I reset 15 to 20 times. still nothing on ssb. Any suggestions?

Regards,

Dick Kruse

K8GTQ

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<https://www.avast.com/sig-email> www.avast.com

11206. FS: LP Pan 2

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 13:53:47 UTC
From: bradld@...
Topic: 11206 Message: 11206

For sale in case anyone was looking for one:

eHam.net Classifieds LP-Pan 2 TenTec Orion http://www.eham.net/classifieds/detail/491324

http://www.eham.net/classifieds/detail/491324

eHam.net Classifieds LP-Pan 2 TenTec Orion http://www.eham.net/classifieds/detail/491324
Barely used LP-Pan 2 for TenTec O or O2. $200 includes shipping to you CONUS only.

View on www.eham.net http://www.eham.net/classifieds/detail/491324
Preview by Yahoo

Barely used but works great.

11207. Re: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 14:18:23 UTC
From: rkruse@...
Topic: 11204 Message: 11207

I did do that twice actually.
Thank you for the thought.
Regards,
Dick

> On Feb 21, 2016, at 08:35, 'Duane Calvin' ac5aa1@... [orion565]
<orion565@yahoogroups.com> wrote:
>
> You might try reloading the firmware – something could have gotten corrupted.
>
>
>
> 73, Duane
>
>
>
> Duane Calvin, AC5AA
>
> Austin, Texas
>
> ac5aa@ac5aa.com
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Sunday, February 21, 2016 6:56 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] Orion 2 no ssb after battery replacement
>
>
>
>
>
>
>
>
> My first post. Just replaced both batteries in rig. starts up but no ssb, works ok on cw.
I did the VFOB LCK reset and the normal reset, answering yes to all questions except “is
radio 366” installed. I reset 15 to 20 times. still nothing on ssb. Any suggestions?
>
> Regards,
>
> Dick Kruse
>
> K8GTQ
>

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11208. RE: [orion565] FS: LP Pan 2

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 14:22:00 UTC
From: Torrey Mitchell
Topic: 11206 Message: 11208

I might be pointed out that this is ready to go with an rig with 9 MHz IF. Example…Yaesu FTDX 5000.

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: February 21, 2016 07:54
To: orion565@yahoogroups.com
Subject: [orion565] FS: LP Pan 2

For sale in case anyone was looking for one:

eHam.net Classifieds LP-Pan 2 TenTec Orion <http://www.eham.net/classifieds/detail/491324>

<http://www.eham.net/classifieds/detail/491324>

<http://www.eham.net/classifieds/detail/491324> eHam.net Classifieds LP-Pan 2 TenTec Orion

Barely used LP-Pan 2 for TenTec O or O2. $200 includes shipping to you CONUS only.

<http://www.eham.net/classifieds/detail/491324> View on www.eham.net

Preview by Yahoo

Barely used but works great.

11209. Re: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 14:50:45 UTC
From: tarniowy
Topic: 11204 Message: 11209

Did you check the battery on voltmeter ?One time I bought brand new battery (from mouser or digital) and ghetto voltage was less than 2 volts !!
ArekAC2FC

Sent from my Verizon Wireless 4G LTE smartphone-------- Original message --------From: "rkruse@speednetllc.com [orion565]" <orion565@yahoogroups.com> Date: 2/21/2016 9:18 AM (GMT-05:00) To: orion565@yahoogroups.com Subject: Re: [orion565] Orion 2 no ssb after battery replacement

I did do that twice actually.Thank you for the thought.Regards,Dick

On Feb 21, 2016, at 08:35, 'Duane Calvin' ac5aa1@gmail.com [orion565] <orion565@yahoogroups.com> wrote:

You might try reloading the firmware – something could have gotten corrupted. 73, Duane Duane Calvin, AC5AAAustin, Texasac5aa@ac5aa.com From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, February 21, 2016 6:56 AM
To: orion565@yahoogroups.com
Subject: [orion565] Orion 2 no ssb after battery replacement

My first post. Just replaced both batteries in rig. starts up but no ssb, works ok on cw. I did the VFOB LCK reset and the normal reset, answering yes to all questions except “is radio 366” installed. I reset 15 to 20 times. still nothing on ssb. Any suggestions?Regards,Dick KruseK8GTQ This email has been sent from a virus-free computer protected by Avast.
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11210. Re: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 14:56:13 UTC
From: Jim Warner
Topic: 11204 Message: 11210

Might want to go back and double check the interconnect cables from the front panel to the mic audio board.
Jim WA9Z

On 2/21/2016 8:18 AM, rkruse@... [orion565] wrote:
> I did do that twice actually.
> Thank you for the thought.
> Regards,
> Dick
>
>
>
> On Feb 21, 2016, at 08:35, 'Duane Calvin' ac5aa1@...
> <mailto:ac5aa1@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
>> You might try reloading the firmware – something could have gotten
>> corrupted.
>>
>> 73, Duane
>>
>> Duane Calvin, AC5AA
>>
>> Austin, Texas
>>
>> ac5aa@... <mailto:ac5aa@...>
>>
>> *From:*orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>> [mailto:orion565@yahoogroups.com]
>> *Sent:* Sunday, February 21, 2016 6:56 AM
>> *To:* orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>> *Subject:* [orion565] Orion 2 no ssb after battery replacement
>>
>>
>>
>>
>> My first post. Just replaced both batteries in rig. starts up but no
>> ssb, works ok on cw. I did the VFOB LCK reset and the normal reset,
>> answering yes to all questions except “is radio 366” installed. I
>> reset 15 to 20 times. still nothing on ssb. Any suggestions?
>>
>> Regards,
>>
>> Dick Kruse
>>

>> K8GTQ
>>
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11211. Re: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 15:06:08 UTC
From: rkruse@...
Topic: 11204 Message: 11211

No I did not as it is a rechargeable battery. I would not expect that it would be fully charged. However, since I installed it, the memory is working okay, at least it is not starting up in Master Reset Mode as it did when the battery had failed.
Thank you for your advice.
Regards,
K8GTQ

> On Feb 21, 2016, at 09:50, tarniowy tarniowy@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Did you check the battery on voltmeter ?
> One time I bought brand new battery (from mouser or digital) and ghetto voltage was less than 2 volts !!
>
> Arek
> AC2FC
>
>
>
> Sent from my Verizon Wireless 4G LTE smartphone
> -------- Original message --------
> From: "rkruse@... [orion565]" <orion565@yahoogroups.com>
> Date: 2/21/2016 9:18 AM (GMT-05:00)
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion 2 no ssb after battery replacement
>
>
> I did do that twice actually.
> Thank you for the thought.
> Regards,
> Dick
>
>
>
>> On Feb 21, 2016, at 08:35, 'Duane Calvin' ac5aa1@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>>
>> You might try reloading the firmware – something could have gotten corrupted.
>>
>>
>>
>> 73, Duane
>>
>>

>>
>> Duane Calvin, AC5AA
>>
>> Austin, Texas
>>
>> ac5aa@...
>>
>>
>>
>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
>> Sent: Sunday, February 21, 2016 6:56 AM
>> To: orion565@yahoogroups.com
>> Subject: [orion565] Orion 2 no ssb after battery replacement
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>> My first post. Just replaced both batteries in rig. starts up but no ssb, works ok on cw. I did the VFOB LCK reset and the normal reset, answering yes to all questions except “is radio 366” installed. I reset 15 to 20 times. still nothing on ssb. Any suggestions?
>>
>> Regards,
>>
>> Dick Kruse
>>
>> K8GTQ
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11212. Re: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 16:47:12 UTC
From: Barry N1EU
Topic: 11204 Message: 11212

Try varying the BW widely to kick in a different roofing filter in case you have a bad filter or a bad filter connection.

Barry N1EU

On Sun, Feb 21, 2016 at 12:55 PM, 'Richard Kruse' rkruse@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> My first post. Just replaced both batteries in rig. starts up but no ssb,
> works ok on cw. I did the VFOB LCK reset and the normal reset, answering
> yes to all questions except “is radio 366” installed. I reset 15 to 20
> times. still nothing on ssb. Any suggestions?
> Regards,
> Dick Kruse
> K8GTQ
>
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>
>

11213. Re: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 17:09:53 UTC
From: rkruse@...
Topic: 11204 Message: 11213

Thank you for your thoughts. I will try that again, but in a way I did that. I listened to my friends using CW mode, which is set to a default 1K bandwidth. I turned the bandwidth up to about 3K so that I could copy the ssb. works fine on cw, just won't go on ssb.

Of note to all reading this. The rig worked perfectly BEFORE I replaced the batteries, except that, since the battery was bad, it would always start up in the master reset mode which I assume is merely because of the bad battery? Otherwise ssb was fine.
regard,
K8GTQ

> On Feb 21, 2016, at 11:47, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Try varying the BW widely to kick in a different roofing filter in case you have a bad filter or a bad filter connection.
>
> Barry N1EU
>
>> On Sun, Feb 21, 2016 at 12:55 PM, 'Richard Kruse' rkruse@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>> My first post. Just replaced both batteries in rig. starts up but no ssb, works ok on cw. I did the VFOB LCK reset and the normal reset, answering yes to all questions except “is radio 366” installed. I reset 15 to 20 times. still nothing on ssb. Any suggestions?
>> Regards,
>> Dick Kruse
>> K8GTQ
>>
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11214. RE: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 17:45:17 UTC
From: Duane Calvin
Topic: 11204 Message: 11214

Could you describe more of what you mean when you say it won't do SSB? Does the RX go quiet with no audio at all? Yes, the symptom you describe is exactly the symptom of the battery going bad. In a prior note, did you comment that the battery is rechargeable? It's not – but maybe I just misread what your comment was.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, February 21, 2016 11:10 AM
To: orion565@...m
Subject: Re: [orion565] Orion 2 no ssb after battery replacement

Thank you for your thoughts. I will try that again, but in a way I did that. I listened to my friends using CW mode, which is set to a default 1K bandwidth. I turned the bandwidth up to about 3K so that I could copy the ssb. works fine on cw, just won't go on ssb.

Of note to all reading this. The rig worked perfectly BEFORE I replaced the batteries, except that, since the battery was bad, it would always start up in the master reset mode which I assume is merely because of the bad battery? Otherwise ssb was fine.

regard,

K8GTQ

On Feb 21, 2016, at 11:47, Barry N1EU barry.n1eu@gmail.com [orion565] <orion565@yahoogroups.com> wrote:

Try varying the BW widely to kick in a different roofing filter in case you have a bad filter or a bad filter connection.

Barry N1EU

On Sun, Feb 21, 2016 at 12:55 PM, 'Richard Kruse' rkruse@... [orion565] <orion565@yahoogroups.com> wrote:

My first post. Just replaced both batteries in rig. starts up but no ssb, works ok on cw. I did the VFOB LCK reset and the normal reset, answering yes to all questions except "is radio 366" installed. I reset 15 to 20 times. still nothing on ssb. Any suggestions?

Regards,

Dick Kruse

K8GTQ

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11215. Re: [orion565] FS: LP Pan 2

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 18:15:18 UTC
From: Tony Sokol
Topic: 11206 Message: 11215

Huh??? I downloaded HDSDR and played with it a little bit but I really like NaP3 better. I'm shocked that you're selling the LP-PAN.

Sent from my iPad

> On Feb 21, 2016, at 7:53 AM, bradld@... [orion565] <orion565@yahoogroups.com> wrote:
>
> For sale in case anyone was looking for one:
>
> eHam.net Classifieds LP-Pan 2 TenTec Orion
>
>
> eHam.net Classifieds LP-Pan 2 TenTec Orion
> Barely used LP-Pan 2 for TenTec O or O2. $200 includes shipping to you CONUS only.
> View on www.eham.net
> Preview by Yahoo
>
>
> Barely used but works great.
>
>

11216. Re: [orion565] FS: LP Pan 2

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 18:32:06 UTC
From: Tony Sokol
Topic: 11206 Message: 11216

Good grief!!! I just sent this to the Orion group. I just hit "reply"and didn't notice the outgoing address. I'm still looking for the "unsend" button. Sorry gang.

Sent from my iPad

> On Feb 21, 2016, at 12:15 PM, Tony Sokol <tonysokol@...> wrote:
>
> Huh??? I downloaded HDSDR and played with it a little bit but I really like NaP3 better.
> I'm shocked that you're selling the LP-PAN.
>
> Sent from my iPad
>
>> On Feb 21, 2016, at 7:53 AM, bradld@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>> For sale in case anyone was looking for one:
>>
>> eHam.net Classifieds LP-Pan 2 TenTec Orion
>>
>>
>> eHam.net Classifieds LP-Pan 2 TenTec Orion
>> Barely used LP-Pan 2 for TenTec O or O2. $200 includes shipping to you CONUS only.
>> View on www.eham.net
>> Preview by Yahoo
>>
>>
>> Barely used but works great.
>>
>>

11217. Re: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 20:43:52 UTC
From: rkruse@...
Topic: 11204 Message: 11217

When the radio comes up, it now (after battery replacement), remembers any settings I have previously made since the last master reset. If you try to use SSB, there is "noise" in that you can increase the AF gain and the volume of noise increases. But, as you tune across the band in SSB mode, there is n o change in the nature or volume of the sound even as you tune across "activity" as indicated by the sweep scope.
Now, if you change the mode to CW, the "noise" changes to regular band noise, CW signals are easily readable and are normal. If still in the CW mode, you tune across an ssb signal, you can easily listen to the ssb conversation after increasing the band width from the default 1khz width of CW to about 2500 or more Khz. Of note, you can change to AM mode and you will hear just fine. Obviously the ssb stations are garbled, but it does work in AM mode also.
I have opened the case again, rechecked all cables, plug-in wires and etc. It appears that only SSB is funky and non-operational. It seems odd to me that merely changing a battery would produce these symptoms.
You are correct in that the batteries are NOT listed as rechargeable. My error on that as most Li Ion batteries I am familiar with are of the rechargeable type. Having said that, I assume that if the battery is holding the memory properly, it is doing its job?
So, everything appears fine except no SSB.
Still hoping for a solution other than shipping back to TenTec.
Regards,
K8GTQ

> On Feb 21, 2016, at 12:45, 'Duane Calvin' ac5aa1@... [orion565] <orion565@yahoogroups.com> wrote:
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> Could you describe more of what you mean when you say it won’t do SSB? Does the RX go quiet with no audio at all? Yes, the symptom you describe is exactly the symptom of the battery going bad. In a prior note, did you comment that the battery is rechargeable? It’s not – but maybe I just misread what your comment was.
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>
>
> 73, Duane
>
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>
> Duane Calvin, AC5AA
>
> Austin, Texas
>
> ac5aa@...
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]

> Sent: Sunday, February 21, 2016 11:10 AM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion 2 no ssb after battery replacement
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>
>
> Try varying the BW widely to kick in a different roofing filter in case you have a bad filter or a bad filter connection.
>
>
>
> Barry N1EU
>
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>
> On Sun, Feb 21, 2016 at 12:55 PM, 'Richard Kruse' rkruse@... [orion565] <orion565@yahoogroups.com> wrote:
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>
>
> My first post. Just replaced both batteries in rig. starts up but no ssb, works ok on cw. I did the VFOB LCK reset and the normal reset, answering yes to all questions except “is radio 366” installed. I reset 15 to 20 times. still nothing on ssb. Any suggestions?
>
> Regards,

>
> Dick Kruse
>
> K8GTQ
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11218. Re: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 22:10:19 UTC
From: Billy Cox
Topic: 11204 Message: 11218

Good Afternoon K8GTQ, Have you tried both USB (say on 20m) and LSB (say on 40m) and reversed them ... just to see if anything changes? Can you tune in any SSB signals on the sub rx OK? When you tune in a SSB signal on the main rx, does the main S-meter seem to follow the signal? (In other words, can you "see" the SSB signal active in the rx chain via the S-meter?) Have you tried cycling the various AUDIO options in that MENU? Does it matter if you are using the internal speaker or headphones or ??? If you TX on SSB .... is there any output? ALC activity? Does the VOX work with you mike audio? (Just proposing questions to help you narrow down the scope ...) Hope this helps! 73 de Billy, AA4NU ----- Original Message ----- From: "rkruse@... When the radio comes up, it now (after battery replacement), remembers any settings I have previously made since the last master reset. If you try to use SSB, there is "noise" in that you can increase the AF gain and the volume of noise increases. But, as you tune across the band in SSB mode, there is n o change in the nature or volume of the sound even as you tune across "activity" as indicated by the sweep scope. Now, if you change the mode to CW, the "noise" changes to regular band noise, CW signals are easily readable and are normal. If still in the CW mode, you tune across an ssb signal, you can easily listen to the ssb conversation after increasing the band width from the default 1khz width of CW to about 2500 or more Khz. Of note, you can change to AM mode and you will hear just fine. Obviously the ssb stations are garbled, but it does work in AM mode also. I have opened the case again, rechecked all cables, plug-in wires and etc. It appears that only SSB is funky and non-operational. It seems odd to me that merely changing a battery would produce these symptoms. You are correct in that the batteries are NOT listed as rechargeable. My error on that as most Li Ion batteries I am familiar with are of the rechargeable type. Having said that, I assume that if the battery is holding the memory properly, it is doing its job? So, everything appears fine except no SSB. Still hoping for a solution other than shipping back to TenTec. Regards, K8GTQ On Feb 21, 2016, at 12:45, 'Duane Calvin' ac5aa1@gmail.com [orion565] < orion565@yahoogroups.com > wrote: Could you describe more of what you mean when you say it won’t do SSB? Does the RX go quiet with no audio at all? Yes, the symptom you describe is exactly the symptom of the battery going bad. In a prior note, did you comment that the battery is rechargeable? It’s not – but maybe I just misread what your comment was. 73, Duane Duane Calvin, AC5AA Austin, Texas ac5aa@... From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Sent: Sunday, February 21, 2016 11:10 AM To: orion565@yahoogroups.com Subject: Re: [orion565] Orion 2 no ssb after battery replacement Thank you for your thoughts. I will try that again, but in a way I did that. I listened to my friends using CW mode, which is set to a default 1K bandwidth. I turned the bandwidth up to about 3K so that I could copy the ssb. works fine on cw, just won't go on ssb. Of note to all reading this. The rig worked perfectly BEFORE I replaced the batteries, except that, since the battery was bad, it would always start up in the master reset mode which I assume is merely because of the bad battery? Otherwise ssb was fine. regard, K8GTQ On Feb 21, 2016, at 11:47, Barry N1EU barry.n1eu@... [orion565] < orion565@yahoogroups.com > wrote:
Try varying the BW widely to kick in a different roofing filter in case you have a bad filter or a bad filter connection. Barry N1EU On Sun, Feb 21, 2016 at 12:55 PM, 'Richard Kruse' rkruse@... [orion565] < orion565@yahoogroups.com > wrote: My first post. Just replaced both batteries in rig. starts up but no ssb, works ok on cw. I did the VFOB LCK reset and the normal reset, answering yes to all questions except “is radio 366” installed.

I reset 15 to 20 times. still nothing on ssb. Any suggestions? Regards, Dick Kruse K8GTQ
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11219. Re: Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 23:07:29 UTC
From: Howard Smith
Topic: 11204 Message: 11219

Here are a couple of other suggestions...
What version of the firmware did you use when you reloaded the firmware? If you were reloading an older version, I suggest that you go to the TenTec website, www.tentec.com, and double click the link for the "Orion II Release download".

You should be sure that the NB, NR, NOTCH, and AN are all 'Off'. If the NB and NOTCH happen to both be 'On' when you cycle the power, the Main DSP may crash, and there will be no S-meter activity, and no audio, but the Sweep will still work. This has been a well known bug, and has been fixed in the latest Orion II update, version v3.033xe.

One other thought on the battery. It is a lithium battery, not a Lithium Ion battery. These batteries are typically rated with a 10 year lifetime. In typical use in the Orion II, they last from 5 to 7 years.

Good luck.

73..
Howard, WA9AXQ

11220. Re: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-21 23:17:03 UTC
From: Jim Warner
Topic: 11204 Message: 11220

If you replace the battery and do your reset, the radio should come up working on SSB with the default parameters. 14,256 resets during a quadruple leap year or tinkering with every menu setting won't change that. Check your work, make sure everything(whole radio chassis)is plugged in with your fingers, not just eyes. Especially on the board under the speaker. Make sure some little chunk of hair wire didn't find it's way in somewhere.
There is no logical reason for a unit not to work 100% over a battery change as long as carefully done in a tidy environment.
Jim WA9Z

On 2/21/2016 6:55 AM, 'Richard Kruse' rkruse@... [orion565] wrote:
> My first post. Just replaced both batteries in rig. starts up but no
> ssb, works ok on cw. I did the VFOB LCK reset and the normal reset,
> answering yes to all questions except “is radio 366” installed. I reset
> 15 to 20 times. still nothing on ssb. Any suggestions?
> Regards,
> Dick Kruse
> K8GTQ
>
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>

11221. Re: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-22 12:45:39 UTC
From: Richard Kruse
Topic: 11204 Message: 11221

GOOD NEWS Progress!
NOTE: I have all three optional filters installed and xtal filter set to auto and the optional filters are all turned on.

Okay, I received ideas/questions from many- I thank you all. And some of them encouraged me to try a few different things.
CW good, AM good. It did work on transmit too. upper/lower ssb same. But I went to CW to listen to SSb and when expanding the bandwidth I went above 2500 and it quit! No signal. So I switched to SSB and turned the bandwidth below 2400 and up came the audio! So there is some type of issue with filters seems like the 2400 filter is the culprit. I will open the box again and see if that filter is loose. What else could/should I be looking for?? Almost there.
Everybody has been so helpful – THANK YOU AAL.
K8GTQ
From: mailto:orion565@yahoogroups.com
Sent: Sunday, February 21, 2016 5:10 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 2 no ssb after battery replacement

Good Afternoon K8GTQ,

Have you tried both USB (say on 20m) and LSB (say on 40m)
and reversed them ... just to see if anything changes?

Can you tune in any SSB signals on the sub rx OK?

When you tune in a SSB signal on the main rx, does the main
S-meter seem to follow the signal? (In other words, can you
"see" the SSB signal active in the rx chain via the S-meter?)

Have you tried cycling the various AUDIO options in that MENU?

Does it matter if you are using the internal speaker or headphones
or ???

If you TX on SSB .... is there any output? ALC activity? Does the
VOX work with you mike audio?

(Just proposing questions to help you narrow down the scope ...)

Hope this helps!

73 de Billy, AA4NU

From: "rkruse@...m

When the radio comes up, it now (after battery replacement), remembers any settings I have previously made since the last master reset. If you try to use SSB, there is "noise" in that you can increase the AF gain and the volume of noise increases. But, as you tune across the band in SSB mode, there is n o change in the nature or volume of the sound even as you tune across "activity" as indicated by the sweep scope.
Now, if you change the mode to CW, the "noise" changes to regular band noise, CW signals are easily readable and are normal. If still in the CW mode, you tune across an ssb signal, you can easily listen to the ssb conversation after increasing the band width from the default 1khz width of CW to about 2500 or more Khz. Of note, you can change to AM mode and you will hear just fine. Obviously the ssb stations are garbled, but it does work in AM mode also.
I have opened the case again, rechecked all cables, plug-in wires and etc. It appears that only SSB is funky and non-operational. It seems odd to me that merely changing a battery would produce these symptoms.
You are correct in that the batteries are NOT listed as rechargeable. My error on that as most Li Ion batteries I am familiar with are of the rechargeable type. Having said that, I assume that if the battery is holding the memory properly, it is doing its job?
So, everything appears fine except no SSB.
Still hoping for a solution other than shipping back to TenTec.
Regards,
K8GTQ

On Feb 21, 2016, at 12:45, 'Duane Calvin' ac5aa1@... [orion565] <orion565@yahoogroups.com> wrote:

Could you describe more of what you mean when you say it won’t do SSB? Does the RX go quiet with no audio at all? Yes, the symptom you describe is exactly the symptom of the battery going bad. In a prior note, did you comment that the battery is rechargeable? It’s not – but maybe I just misread what your comment was.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, February 21, 2016 11:10 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 2 no ssb after battery replacement

Thank you for your thoughts. I will try that again, but in a way I did that. I listened to my friends using CW mode, which is set to a default 1K bandwidth. I turned the bandwidth up to about 3K so that I could copy the ssb. works fine on cw, just won't go on ssb.

Of note to all reading this. The rig worked perfectly BEFORE I replaced the batteries, except that, since the battery was bad, it would always start up in the master reset mode which I assume is merely because of the bad battery? Otherwise ssb was fine.

regard,

K8GTQ

On Feb 21, 2016, at 11:47, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:

Try varying the BW widely to kick in a different roofing filter in case you have a bad filter or a bad filter connection.

Barry N1EU

On Sun, Feb 21, 2016 at 12:55 PM, 'Richard Kruse' rkruse@... [orion565] <orion565@yahoogroups.com> wrote:

My first post. Just replaced both batteries in rig. starts up but no ssb, works ok on cw. I did the VFOB LCK reset and the normal reset, answering yes to all questions except “is radio 366” installed. I reset 15 to 20 times. still nothing on ssb. Any suggestions?

Regards,

Dick Kruse

K8GTQ

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11222. Re: [orion565] Re: Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-22 12:50:38 UTC
From: Richard Kruse
Topic: 11204 Message: 11222

Thank you Howard. I wrote a reply to the user site, but in case this email came separate, I thank you. I have the latest firmware.
I have discovered (thanks to the suggestions of many) that when the bandwidth is above 2400 KHz (default SSB setting) no audio. When below 2400 KHz, audio fine. Apparently something with that filter.
Regards,
Dick
K8GTQ

From: mailto:orion565@yahoogroups.com
Sent: Sunday, February 21, 2016 6:07 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 2 no ssb after battery replacement

Here are a couple of other suggestions...
What version of the firmware did you use when you reloaded the firmware? If you were reloading an older version, I suggest that you go to the TenTec website, www.tentec.com, and double click the link for the "Orion II Release download".

You should be sure that the NB, NR, NOTCH, and AN are all 'Off'. If the NB and NOTCH happen to both be 'On' when you cycle the power, the Main DSP may crash, and there will be no S-meter activity, and no audio, but the Sweep will still work. This has been a well known bug, and has been fixed in the latest Orion II update, version v3.033xe.

One other thought on the battery. It is a lithium battery, not a Lithium Ion battery. These batteries are typically rated with a 10 year lifetime. In typical use in the Orion II, they last from 5 to 7 years.

Good luck.

73..
Howard, WA9AXQ

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11223. Re: [orion565] Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-22 12:59:23 UTC
From: Barry N1EU
Topic: 11204 Message: 11223

I called it ;-)

Orion I or Orion II? Swap filters around and see if the problem follows the filter or the slot.

73, Barry N1EU

On Mon, Feb 22, 2016 at 7:45 AM, 'Richard Kruse' rkruse@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> GOOD NEWS Progress!
> NOTE: I have all three optional filters installed and xtal filter set to
> auto and the optional filters are all turned on.
>
> Okay, I received ideas/questions from many- I thank you all. And some of
> them encouraged me to try a few different things.
> CW good, AM good. It did work on transmit too. upper/lower ssb same. But I
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> the box again and see if that filter is loose. What else could/should I be
> looking for?? Almost there.
> Everybody has been so helpful – THANK YOU AAL.
> K8GTQ
>
> *From:* mailto:orion565@yahoogroups.com <orion565@yahoogroups.com>
> *Sent:* Sunday, February 21, 2016 5:10 PM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Orion 2 no ssb after battery replacement
>
>
>
> Good Afternoon K8GTQ,
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> Have you tried both USB (say on 20m) and LSB (say on 40m)
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> Can you tune in any SSB signals on the sub rx OK?
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> K8GTQ
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> 73, Duane
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> Duane Calvin, AC5AA
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> Austin, Texas
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> ac5aa@...
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>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com
> <orion565@yahoogroups.com>]
> *Sent:* Sunday, February 21, 2016 11:10 AM
> *To:* orion565@yahoogroups.com
> *Subject:* Re: [orion565] Orion 2 no ssb after battery replacement
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> On Feb 21, 2016, at 11:47, Barry N1EU barry.n1eu@... [orion565] <

> orion565@yahoogroups.com> wrote:
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> Barry N1EU
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> On Sun, Feb 21, 2016 at 12:55 PM, 'Richard Kruse' rkruse@...
> [orion565] <orion565@yahoogroups.com> wrote:
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> works ok on cw. I did the VFOB LCK reset and the normal reset, answering
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> times. still nothing on ssb. Any suggestions?
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> Regards,
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> Dick Kruse
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11224. TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-23 05:56:35 UTC
From: w3att_ham@...
Topic: 11224 Message: 11224

Hi, I searched older posts, but can't seem to find any info. Orion 565. When put into Transmit, I hear an audible tick in the left ear of headphone.

Also happens with EVERY dit/dah in cw.. doesn't matter what QSK delay is - it happens at the beginning of each dit/dah.

At first I thought it was only in CW, so I plugged in mic and keyed to TX, and the tick is there also. very annoying during CW qso!

Observations:

-happens at ANY power level, including lowest possible level. Probably not RFI
-happens at ANY volume level - including lowest possible level.
-happens with side-tone set to zero. With side tone set to 0 and vol set to 0, only ticking heard at same level.
-happens into any antenna/dummy load.
-happens with multiple pairs of headphones with varying impedance specs.
-happens with audio ground loop isolator between rig and headphones.
-ONLY in left ear - right ear is silky smooth Ten Tec QSK sound - very nice.
-Plugged headphones into rear speaker out there is no evidence of ticking.

So it seems there is nothing that I can do to remove the noise from the outside by switching headphones.

Has anyone experienced this, and have you found a fix?

Brian W3ATT

11225. Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-23 09:46:15 UTC
From: N4BE_Jim@yahoo.com
Topic: 11224 Message: 11225

I was told once by another station that I had a popping in my transmitted audio which I suppose is similar to your ticking. I read on another thread that having MON enabled with too high a setting can cause this. Apparently a bug in the firmware?
Jim N4BE

Sent from my iPad

11226. Re: Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-23 09:53:21 UTC
From: N4BE_Jim@yahoo.com
Topic: 11204 Message: 11226

Check to be sure all installed filters are ON in the Filters menu. And when in doubt do a complete reset and reload the firmware being careful to master reset and RAM clear as described in the download instructions. My guess would be that the filter settings were not completely cleared on the previous download.
Jim N4BE

Sent from my iPad

11227. Re: [orion565] Re: Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-23 10:12:41 UTC
From: Wayne Staples
Topic: 11204 Message: 11227

Remember ram clear is before master reset.
Cheers Wayne VK4EU

Sent from my ALCATEL ONETOUCH PIXI 3 (4.5)

On 23 Feb 2016 7:53 pm, "'N4BE_Jim@yahoo.com' n4be_jim@yahoo.com [orion565]" <orion565@yahoogroups.com> wrote:
>
> Check to be sure all installed filters are ON in the Filters menu. And when in doubt do a complete reset and reload the firmware being careful to master reset and RAM clear as described in the download instructions. My guess would be that the filter settings were not completely cleared on the previous download.
> Jim N4BE
>
> Sent from my iPad
>
> ------------------------------------
> Posted by: "N4BE_Jim@yahoo.com" <N4BE_Jim@Yahoo.com>
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> Yahoo Groups Links
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11228. Re: [orion565] Re: Orion 2 no ssb after battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-23 12:04:11 UTC
From: Richard Kruse
Topic: 11204 Message: 11228

Hey all, the problem is solved thanks to all of the suggestions. Apparently one of the xtal filters was loose in its socket?? any way, I removed, reset all filters and everything is running good. The issue was that ssb came up in a default bandwidth of 3000 and if I narrowed the bandwidth to less than 2400 or so, everything came back.
Regards,
Dick
K8GTQ

From: mailto:orion565@yahoogroups.com
Sent: Tuesday, February 23, 2016 5:12 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Orion 2 no ssb after battery replacement

Remember ram clear is before master reset.
Cheers Wayne VK4EU

Sent from my ALCATEL ONETOUCH PIXI 3 (4.5)

On 23 Feb 2016 7:53 pm, "'N4BE_Jim@...' n4be_jim@... [orion565]" <orion565@...m> wrote:
>
> Check to be sure all installed filters are ON in the Filters menu. And when in doubt do a complete reset and reload the firmware being careful to master reset and RAM clear as described in the download instructions. My guess would be that the filter settings were not completely cleared on the previous download.
> Jim N4BE
>
> Sent from my iPad
>
> ------------------------------------
> Posted by: "N4BE_Jim@..." <N4BE_Jim@...>
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>
> Yahoo Groups Links
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This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11229. Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-23 17:48:00 UTC
From: w3att_ham@...
Topic: 11224 Message: 11229

Thanks for the reply.. I have the MON off, and I don't see the ticking being transmitted on an oscilloscope. Only in the sidetone audio which leads me to believe that the problem lies in the audio circuit to the headphones because it is not at all evident with phones plugged into the rear speaker out.

Also, it is not evident at all on the line out audio which is monitored with my computer.

11230. Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-27 17:12:24 UTC
From: g4gzg@...
Topic: 11230 Message: 11230

I really like my Orion 2 but the keying relay clatter is starting to get on my nerves. Neither my K3 or FT991 have this so I wonder is there a way to turn off the relay or is the QSK keying dependent on it .

Thanks and 73

Larry G4GZG

11231. Re: [orion565] Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-27 17:25:37 UTC
From: Jerry & Jean Rogers
Topic: 11230 Message: 11231

I'm with you Larry. My Orion II is an excellent radio, however, the relay can get on your nerves. I find myself using my Eagle and Argonaut VI more just because of the relay noise.

Not sure WHAT TenTec was thinking when they designed it.

I do have some active noise reduction headphones that keep it quiet.

As for the answer, I wish I had one for you.

73, Jerry
ki4ps

> On Feb 27, 2016, at 12:12 PM, g4gzg@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> I really like my Orion 2 but the keying relay clatter is starting to get on my nerves. Neither my K3 or FT991 have this so I wonder is there a way to turn off the relay or is the QSK keying dependent on it .
>
>
> Thanks and 73
>
> Larry G4GZG
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11232. RE: [orion565] Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-27 17:32:59 UTC
From: Duane Calvin
Topic: 11230 Message: 11232

Are you sure you have the amp-switching relay turned off? I don’t recall my Orion having a loud relay.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Saturday, February 27, 2016 11:26 AM
To: yahoogroups
Subject: Re: [orion565] Keying relay noise on Orion 2 -

I’m with you Larry. My Orion II is an excellent radio, however, the relay can get on your nerves. I find myself using my Eagle and Argonaut VI more just because of the relay noise.

Not sure WHAT TenTec was thinking when they designed it.

I do have some active noise reduction headphones that keep it quiet.

As for the answer, I wish I had one for you.

73, Jerry

ki4ps

On Feb 27, 2016, at 12:12 PM, g4gzg@... [orion565] <orion565@yahoogroups.com> wrote:

I really like my Orion 2 but the keying relay clatter is starting to get on my nerves. Neither my K3 or FT991 have this so I wonder is there a way to turn off the relay or is the QSK keying dependent on it .

Thanks and 73

Larry G4GZG

11233. Re: [orion565] Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-27 17:43:29 UTC
From: Jerry Rogers
Topic: 11230 Message: 11233

Just went through my Orion II's menu. I do not see any amp-switching relay to turn off.

Jerry
ki4ps

> On Feb 27, 2016, at 12:32 PM, 'Duane Calvin' ac5aa1@... [orion565]
<orion565@yahoogroups.com> wrote:
>
>
> Are you sure you have the amp-switching relay turned off? I don't recall my Orion having
a loud relay. <>
>
>
> 73, Duane
>
>
>
> Duane Calvin, AC5AA
>
> Austin, Texas
>
> ac5aa@ac5aa.com <mailto:ac5aa@...>
>
>
> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
> Sent: Saturday, February 27, 2016 11:26 AM
> To: yahoogroups
> Subject: Re: [orion565] Keying relay noise on Orion 2 -
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>
> I'm with you Larry. My Orion II is an excellent radio, however, the relay can get on your
nerves. I find myself using my Eagle and Argonaut VI more just because of the relay noise.
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>
> Not sure WHAT TenTec was thinking when they designed it.
>
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>
> I do have some active noise reduction headphones that keep it quiet.
>

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>
> As for the answer, I wish I had one for you.
>
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>
> 73, Jerry
>
> ki4ps
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>> On Feb 27, 2016, at 12:12 PM, g4gzg@... <mailto:g4gzg@yahoo.com> [orion565]
<orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>>
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>>
>> I really like my Orion 2 but the keying relay clatter is starting to get on my nerves.
Neither my K3 or FT991 have this so I wonder is there a way to turn off the relay or is the
QSK keying dependent on it .
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>> Thanks and 73
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>> Larry G4GZG
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11234. Re: [orion565] Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-27 17:52:50 UTC
From: rkruse@...
Topic: 11230 Message: 11234

What are you talking about? I do NOT have any relay sounds on my Orion 2 in CW mode, which I operate most of the time.
I sometimes use a solid state amp. that does have mechanical relays. I set the qsk delay up quite a bit so that the amp relays are not moving on every dot/dash. In fact I set the delay up enough so that it doesn't switch except on end of words.
Regards,
Dick
K8GTQ

> On Feb 27, 2016, at 12:32, 'Duane Calvin' ac5aa1@gmail.com [orion565] <orion565@yahoogroups.com> wrote:
>
> Are you sure you have the amp-switching relay turned off? I don’t recall my Orion having a loud relay.
>
>
>
> 73, Duane
>
>
>
> Duane Calvin, AC5AA
>
> Austin, Texas
>
> ac5aa@...
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>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Saturday, February 27, 2016 11:26 AM
> To: yahoogroups
> Subject: Re: [orion565] Keying relay noise on Orion 2 -
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>
> I’m with you Larry. My Orion II is an excellent radio, however, the relay can get on your nerves. I find myself using my Eagle and Argonaut VI more just because of the relay noise.
>
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>
> Not sure WHAT TenTec was thinking when they designed it.
>

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>
> I do have some active noise reduction headphones that keep it quiet.
>
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>
> As for the answer, I wish I had one for you.
>
>
>
> 73, Jerry
>
> ki4ps
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>
> On Feb 27, 2016, at 12:12 PM, g4gzg@... [orion565] <orion565@yahoogroups.com> wrote:
>
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>
> I really like my Orion 2 but the keying relay clatter is starting to get on my nerves. Neither my K3 or FT991 have this so I wonder is there a way to turn off the relay or is the QSK keying dependent on it .
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> Thanks and 73
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> Larry G4GZG
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11235. RE: [orion565] Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-27 18:16:21 UTC
From: Duane Calvin
Topic: 11230 Message: 11235

Sorry, Jerry – I don't remember what it is called in the menus, but there is a relay that is provided for amp switching in the Orion which can be either activated or not. It was a noisy one. I've not had my Orion now for a couple of years, so I've forgotten what the menu designation was for it. With it off, my Orion was quiet during keying.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Saturday, February 27, 2016 11:43 AM
To: yahoogroups
Subject: Re: [orion565] Keying relay noise on Orion 2 -

Just went through my Orion II's menu. I do not see any amp-switching relay to turn off.

Jerry

ki4ps

On Feb 27, 2016, at 12:32 PM, 'Duane Calvin' ac5aa1@... [orion565]
<orion565@yahoogroups.com> wrote:

Are you sure you have the amp-switching relay turned off? I don't recall my Orion having a loud relay.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@...

From: <mailto:orion565@yahoogroups.com> orion565@yahoogroups.com [
<mailto:orion565@yahoogroups.com> mailto:orion565@...m]
Sent: Saturday, February 27, 2016 11:26 AM
To: yahoogroups
Subject: Re: [orion565] Keying relay noise on Orion 2 -

I'm with you Larry. My Orion II is an excellent radio, however, the relay can get on your nerves. I find myself using my Eagle and Argonaut VI more just because of the relay noise.

Not sure WHAT TenTec was thinking when they designed it.

I do have some active noise reduction headphones that keep it quiet.

As for the answer, I wish I had one for you.

73, Jerry

ki4ps

On Feb 27, 2016, at 12:12 PM, <mailto:g4gzg@...> g4gzg@... [orion565] <
<mailto:orion565@yahoogroups.com> orion565@yahoogroups.com> wrote:

I really like my Orion 2 but the keying relay clatter is starting to get on my nerves. Neither my K3 or FT991 have this so I wonder is there a way to turn off the relay or is the QSK keying dependent on it .

Thanks and 73

Larry G4GZG

11236. Re: [orion565] Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-27 18:18:23 UTC
From: Rune Wande
Topic: 11230 Message: 11236

The audible relay clatter is individual to the relays. Some are louder
than others.
My first Orion was "silent" while a friend of mine had one in which he could
hear the relay. My first O II has relay clatter I can hear (but it is
not loud), my
second O II is "silent". I still have both.
It is a mechanical sound and same could happen with the TS-930S and TS-940S
although very seldom. If you do not hear the clatter, your relay is
"silent", and
if you hear it, well either live with it or try to "silence" it one way
or the other
inside the unit. I have one of each so I know it is individual to the relay,
one can be quiter than the other.
73 de Rune SM5COP

Den 2016-02-27 kl. 18:52, skrev rkruse@... [orion565]:
>
>
> What are you talking about? I do NOT have any relay sounds on my
> Orion 2 in CW mode, which I operate most of the time.
> I sometimes use a solid state amp. that does have mechanical relays.
> I set the qsk delay up quite a bit so that the amp relays are not
> moving on every dot/dash. In fact I set the delay up enough so that
> it doesn't switch except on end of words.
> Regards,
> Dick
> K8GTQ
>
>
>
> On Feb 27, 2016, at 12:32, 'Duane Calvin' ac5aa1@...
> <mailto:ac5aa1@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
>> Are you sure you have the amp-switching relay turned off? I don’t
>> recall my Orion having a loud relay.
>>
>> 73, Duane
>>
>> Duane Calvin, AC5AA
>>
>> Austin, Texas
>>
>> ac5aa@... <mailto:ac5aa@...>
>>

>> *From:*orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>> [mailto:orion565@yahoogroups.com]
>> *Sent:* Saturday, February 27, 2016 11:26 AM
>> *To:* yahoogroups
>> *Subject:* Re: [orion565] Keying relay noise on Orion 2 -
>>
>>
>>
>> I’m with you Larry. My Orion II is an excellent radio, however, the
>> relay can get on your nerves. I find myself using my Eagle and
>> Argonaut VI more just because of the relay noise.
>>
>> Not sure WHAT TenTec was thinking when they designed it.
>>
>> I do have some active noise reduction headphones that keep it quiet.
>>
>> As for the answer, I wish I had one for you.
>>
>> 73, Jerry
>>
>> ki4ps
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>> On Feb 27, 2016, at 12:12 PM, g4gzg@...
>> <mailto:g4gzg@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
>>
>> I really like my Orion 2 but the keying relay clatter is starting
>> to get on my nerves. Neither my K3 or FT991 have this so I wonder
>> is there a way to turn off the relay or is the QSK keying
>> dependent on it .
>>
>> Thanks and 73
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>> Larry G4GZG
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11237. Re: [orion565] Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-27 18:28:23 UTC
From: Jerry Rogers
Topic: 11230 Message: 11237

I’m talking about the CLICKING of the relay. It’s not loud, but it’s annoying. My main mode is cw, and I’ve learned to live with the noise. This cw clicking has always been there since day one.
However, using the Eagle or Argonaut VI there is no clicking as you key. I guess TenTec used a reed relay for these.

As for turning off some amp-switching relay, please direct me in the right direction. .

.My Orion Ii is one of the newer one with the upper six knobs all black without the silver rim.

Orion was built in 2010.

I'm all ears to learn how to correct this, short of me wearing my noise reduction headphones.

Jerry
ki4ps

> On Feb 27, 2016, at 12:52 PM, rkruse@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> What are you talking about? I do NOT have any relay sounds on my Orion 2 in CW mode, which I operate most of the time.
> I sometimes use a solid state amp. that does have mechanical relays. I set the qsk delay up quite a bit so that the amp relays are not moving on every dot/dash. In fact I set the delay up enough so that it doesn't switch except on end of words.
> Regards,
> Dick
> K8GTQ
>
>
>
> On Feb 27, 2016, at 12:32, 'Duane Calvin' ac5aa1@... <mailto:ac5aa1@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>>
>>
>> Are you sure you have the amp-switching relay turned off? I don’t recall my Orion having a loud relay. <>
>>
>>
>> 73, Duane
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>> Duane Calvin, AC5AA
>>
>> Austin, Texas
>>
>> ac5aa@... <mailto:ac5aa@...>
>>
>>
>> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
>> Sent: Saturday, February 27, 2016 11:26 AM
>> To: yahoogroups
>> Subject: Re: [orion565] Keying relay noise on Orion 2 -
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>> I’m with you Larry. My Orion II is an excellent radio, however, the relay can get on your nerves. I find myself using my Eagle and Argonaut VI more just because of the relay noise.
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>>
>> Not sure WHAT TenTec was thinking when they designed it.
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>> I do have some active noise reduction headphones that keep it quiet.
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>> As for the answer, I wish I had one for you.
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>> 73, Jerry
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>> On Feb 27, 2016, at 12:12 PM, g4gzg@... <mailto:g4gzg@...> [orion565]
<orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
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>> I really like my Orion 2 but the keying relay clatter is starting to get on my nerves. Neither my K3 or FT991 have this so I wonder is there a way to turn off the relay or is the QSK keying dependent on it .
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>> Thanks and 73
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>> Larry G4GZG
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11238. Re: [orion565] Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-27 18:54:03 UTC
From: Barry N1EU
Topic: 11230 Message: 11238

It's NOT an amp switching relay. It is the cw keying relay. And it is NOT affected by the QSK delay setting.

My Orion II keying relay is audible but not annoying to me (I use headphones). You should hear my ANAN-100D keying relay.

73, Barry N1EU

On Sat, Feb 27, 2016 at 6:28 PM, Jerry Rogers ki4ps@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I’m talking about the CLICKING of the relay. It’s not loud, but it’s
> annoying. My main mode is cw, and I’ve learned to live with the noise.
> This cw clicking has always been there since day one.
> However, using the Eagle or Argonaut VI there is no clicking as you key.
> I guess TenTec used a reed relay for these.
>
> As for turning off some amp-switching relay, please direct me in the right
> direction. .
>
> .My Orion Ii is one of the newer one with the upper six knobs all black
> without the silver rim.
>
> Orion was built in 2010.
>
> I'm all ears to learn how to correct this, short of me wearing my noise
> reduction headphones.
>
> Jerry
> ki4ps
>
>
> On Feb 27, 2016, at 12:52 PM, rkruse@... [orion565] <
> orion565@yahoogroups.com> wrote:
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> What are you talking about? I do NOT have any relay sounds on my Orion 2
> in CW mode, which I operate most of the time.
> I sometimes use a solid state amp. that does have mechanical relays. I
> set the qsk delay up quite a bit so that the amp relays are not moving on
> every dot/dash. In fact I set the delay up enough so that it doesn't
> switch except on end of words.
> Regards,
> Dick

> K8GTQ
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> On Feb 27, 2016, at 12:32, 'Duane Calvin' ac5aa1@... [orion565] <
> orion565@yahoogroups.com> wrote:
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> Are you sure you have the amp-switching relay turned off? I don’t recall
> my Orion having a loud relay.
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>
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> 73, Duane
>
>
>
> Duane Calvin, AC5AA
>
> Austin, Texas
>
> ac5aa@...
>
>
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com
> <orion565@yahoogroups.com>]
> *Sent:* Saturday, February 27, 2016 11:26 AM
> *To:* yahoogroups
> *Subject:* Re: [orion565] Keying relay noise on Orion 2 -
>
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> I’m with you Larry. My Orion II is an excellent radio, however, the relay
> can get on your nerves. I find myself using my Eagle and Argonaut VI more
> just because of the relay noise.
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> Not sure WHAT TenTec was thinking when they designed it.
>
>
>
> I do have some active noise reduction headphones that keep it quiet.
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> As for the answer, I wish I had one for you.
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> 73, Jerry
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> I really like my Orion 2 but the keying relay clatter is starting to get
> on my nerves. Neither my K3 or FT991 have this so I wonder is there a way
> to turn off the relay or is the QSK keying dependent on it .
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> Thanks and 73
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> Larry G4GZG
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11239. Re: [orion565] Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-27 20:50:55 UTC
From: Jerry Rogers
Topic: 11230 Message: 11239

Well I guess a better description should be “Audible” since that’s really what it is.

I’ve never had the cover off of my Orion Ii, but when I do an examination of the relay might provide a way of shock mounting it so the click is not as noticeable.

Anyway to all that chimed in, this is what users groups do, and it’s all good.

Thanks, ki4ps
Jerry

> On Feb 27, 2016, at 1:54 PM, Barry N1EU barry.n1eu@gmail.com <mailto:barry.n1eu@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
> It's NOT an amp switching relay. It is the cw keying relay. And it is NOT affected by the QSK delay setting.
>
> My Orion II keying relay is audible but not annoying to me (I use headphones). You should hear my ANAN-100D keying relay.
>
> 73, Barry N1EU
>
> On Sat, Feb 27, 2016 at 6:28 PM, Jerry Rogers ki4ps@... <mailto:ki4ps@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
> I’m talking about the CLICKING of the relay. It’s not loud, but it’s annoying. My main mode is cw, and I’ve learned to live with the noise. This cw clicking has always been there since day one.
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> However, using the Eagle or Argonaut VI there is no clicking as you key. I guess TenTec used a reed relay for these.
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> As for turning off some amp-switching relay, please direct me in the right direction. .
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> .My Orion Ii is one of the newer one with the upper six knobs all black without the silver rim.
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> Orion was built in 2010.
>
> I'm all ears to learn how to correct this, short of me wearing my noise reduction headphones.
>
> Jerry
> ki4ps
>
>

>> On Feb 27, 2016, at 12:52 PM, rkruse@... <mailto:rkruse@speednetllc.com> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
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>> What are you talking about? I do NOT have any relay sounds on my Orion 2 in CW mode, which I operate most of the time.
>> I sometimes use a solid state amp. that does have mechanical relays. I set the qsk delay up quite a bit so that the amp relays are not moving on every dot/dash. In fact I set the delay up enough so that it doesn't switch except on end of words.
>> Regards,
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>> On Feb 27, 2016, at 12:32, 'Duane Calvin' ac5aa1@... <mailto:ac5aa1@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
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>>> Are you sure you have the amp-switching relay turned off? I don’t recall my Orion having a loud relay. <>
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>>> 73, Duane
>>>
>>>
>>>
>>> Duane Calvin, AC5AA
>>>
>>> Austin, Texas
>>>
>>> ac5aa@... <mailto:ac5aa@...>
>>>
>>>
>>> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
>>> Sent: Saturday, February 27, 2016 11:26 AM
>>> To: yahoogroups
>>> Subject: Re: [orion565] Keying relay noise on Orion 2 -
>>>
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>>>
>>>
>>> I’m with you Larry. My Orion II is an excellent radio, however, the relay can get on your nerves. I find myself using my Eagle and Argonaut VI more just because of the relay noise.
>>>
>>>

>>>
>>> Not sure WHAT TenTec was thinking when they designed it.
>>>
>>>
>>>
>>> I do have some active noise reduction headphones that keep it quiet.
>>>
>>>
>>>
>>> As for the answer, I wish I had one for you.
>>>
>>>
>>>
>>> 73, Jerry
>>>
>>> ki4ps
>>>
>>>
>>>
>>>
>>>
>>> On Feb 27, 2016, at 12:12 PM, g4gzg@... <mailto:g4gzg@...> [orion565]
<orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>>>
>>>
>>>
>>>
>>>
>>> I really like my Orion 2 but the keying relay clatter is starting to get on my nerves.
Neither my K3 or FT991 have this so I wonder is there a way to turn off the relay or is the
QSK keying dependent on it .
>>>
>>>
>>>
>>> Thanks and 73
>>>
>>>
>>>
>>> Larry G4GZG
>>>
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>

11240. Re: Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-28 10:07:51 UTC
From: lstring60
Topic: 11230 Message: 11240

Thanks to all who responded. I'm going to do a menu trawl and see if there is an amp relay to turn off. Obviously if the relay is part of the keying circuit it will have to stay. To be honest it isn't too bad if you use a Vibroplex or similar bug as the clatter of this hides the relay chatter.

Main issue I have is that it spoils Ten Tecs otherwise superb electronic QSK and reminds me of a fast keying relay I had on a homebrew rig back in the 1970s.

I'll post the answer if I find it.

73 and tnx again

Larry. G4GZG

11241. Re: [orion565] Re: Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-28 11:25:46 UTC
From: Barry N1EU
Topic: 11230 Message: 11241

You can save some time by skipping the menu trawl. There ain't no amp relay to turn off.

73, Barry N1EU

On Sun, Feb 28, 2016 at 10:07 AM, lstring60 g4gzg@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Thanks to all who responded. I'm going to do a menu trawl and see if there
> is an amp relay to turn off. Obviously if the relay is part of the keying
> circuit it will have to stay. To be honest it isn't too bad if you use a
> Vibroplex or similar bug as the clatter of this hides the relay chatter.
>
> Main issue I have is that it spoils Ten Tecs otherwise superb electronic
> QSK and reminds me of a fast keying relay I had on a homebrew rig back in
> the 1970s.
>
> I'll post the answer if I find it.
>
> 73 and tnx again
>
> Larry. G4GZG
>
>

11242. Re: [orion565] Re: Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-28 11:30:54 UTC
From: Jerry Rogers
Topic: 11230 Message: 11242

Larry: As this discussion brought up some info on the relays audible noise, I also have a Vibroplex Vibrokey that clatters unlike my Kent. So I know where your coming from.

As with all the other radios out there (JA's), my Orion II, Eagle, and Argonaut VI will stay. Maybe a K3s down the road, but really no reason for that.

73, Jerry
ki4ps

> On Feb 28, 2016, at 5:07 AM, lstring60 g4gzg@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Thanks to all who responded. I'm going to do a menu trawl and see if there is an amp relay to turn off. Obviously if the relay is part of the keying circuit it will have to stay. To be honest it isn't too bad if you use a Vibroplex or similar bug as the clatter of this hides the relay chatter.
>
> Main issue I have is that it spoils Ten Tecs otherwise superb electronic QSK and reminds me of a fast keying relay I had on a homebrew rig back in the 1970s.
>
> I'll post the answer if I find it.
>
> 73 and tnx again
>
> Larry. G4GZG
>
>

11243. MM+ and Orion 565 RIT

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-29 20:01:25 UTC
From: Eric Rosenberg
Topic: 11243 Message: 11243

This past weekend, I noticed that I could not control my Orion's RIT and XIT control using v N1MM+ or DX4Win.

Neither the encoder on the radio's from panel worked.

The only way I could turn. Adjusting the RIT only worked via the remote encoder.

Is the encoder dead or..?

73,
Eric W3DQ

11244. Re: [orion565] MM+ and Orion 565 RIT

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-29 20:27:18 UTC
From: Barry N1EU
Topic: 11243 Message: 11244

The RIT/XIT encoder malady is the norm for the 565 as it ages. You can read everybody's various theories over the years at http://www.tentecwiki.org/doku.php?id=565ritfix

The bottom line IMHO is that it's a connector conductivity issue and the only fix that reliably works is the silver conductive grease fix, also describe on the Wiki.

Barry N1EU

On Mon, Feb 29, 2016 at 8:01 PM, Eric Rosenberg ericrosenberg.dc@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> This past weekend, I noticed that I could not control my Orion's RIT and
> XIT control using v N1MM+ or DX4Win.
>
> Neither the encoder on the radio's from panel worked.
>
> The only way I could turn. Adjusting the RIT only worked via the remote
> encoder.
>
> Is the encoder dead or..?
>
> 73,
> Eric W3DQ
>
>
>
>

11245. ORION I Screen Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-29 21:00:12 UTC
From: charles Lewis
Topic: 11245 Message: 11245

When first turned on, the screen on my ORION I is totally blank. Over several minutes it gradually fades in. Has anyone else had this problem and solved it?
73,Charles - KY4P

11246. Re: [orion565] ORION I Screen Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-29 21:45:35 UTC
From: Barry N1EU
Topic: 11245 Message: 11246

My hunch is to change out the A9 power distribution board caps.

73, Barry N1EU

On Mon, Feb 29, 2016 at 9:00 PM, charles Lewis s9ss160m@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
>
> When first turned on, the screen on my ORION I is totally blank. Over
> several minutes it gradually fades in. Has anyone else had this problem
> and solved it?
>
> 73,
> Charles - KY4P
>
>
>

11247. Re: [orion565] ORION I Screen Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-29 23:01:52 UTC
From: mcelmer1
Topic: 11245 Message: 11247

Agree - A9 board rebuild. Been through at least 3 of those.

Mike
W8TRN
----- Original Message -----
From: Barry N1EU barry.n1eu@... [orion565]
To: Orion565
Sent: Monday, February 29, 2016 14:45
Subject: Re: [orion565] ORION I Screen Problem

My hunch is to change out the A9 power distribution board caps.

73, Barry N1EU

On Mon, Feb 29, 2016 at 9:00 PM, charles Lewis s9ss160m@... [orion565]
<orion565@yahoogroups.com> wrote:

When first turned on, the screen on my ORION I is totally blank. Over several minutes it gradually fades in. Has anyone else had this problem and solved it?

73,
Charles - KY4P

11248. RE: [orion565] ORION I Screen Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-02-29 23:26:06 UTC
From: John T. Fleming
Topic: 11245 Message: 11248

Charles,

From my experience, it is an indication that you need to replace the electrolytics on the A9 board.

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, February 29, 2016 4:00 PM
To: orion565@yahoogroups.com
Subject: [orion565] ORION I Screen Problem

When first turned on, the screen on my ORION I is totally blank. Over several minutes it gradually fades in. Has anyone else had this problem and solved it?

73,

Charles - KY4P

11249. Re: ORION I Screen Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-01 09:50:46 UTC
From: pa1ap
Topic: 11245 Message: 11249

In case the dc-dc capacitor fix is not fixing the issue you might want to perform the following additional steps;

Replace the C700 capacitor on A7 board right after the contrast potentiometer R702. Also check if the contrast potentiometer is making good contact. Often damaged by pressing to hard when adjusting contrast. Replace the C471 capacitor as well (near J400).

Best regards, Onno pa1ap

11250. Re: ORION I Screen Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-01 16:00:59 UTC
From: ve7tk@...
Topic: 11245 Message: 11250

I'd suggest it may well be the -20V supply line. This is on the DC-DC path that Onno suggested. I had this same problem and wrote it up on the Wiki.

565lcdpower - TenTecWiki http://www.tentecwiki.org/doku.php?id=565lcdpower

565lcdpower - TenTecWiki http://www.tentecwiki.org/doku.php?id=565lcdpower (from Ten-Tec reflector 19July2012) For the last several months my Orion (565) has had a screen contrast problem at start-up.

View on www.tentecwiki.org http://www.tentecwiki.org/doku.php?id=565lcdpower
Preview by Yahoo

I'd suggest you monitor the -20 VDC line at cold startup and as the screen contrast improves to see if the good contrast appears when the -20 VDC stabilizes.

73, Rick
VE7TK

PS: What's an Orion I??

11251. Re: [orion565] Re: ORION I Screen Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-01 16:17:45 UTC
From: Barry N1EU
Topic: 11245 Message: 11251

Yes, but the fix was still on the A9 board (not the A7 board) in your case Rick.

If the A9 caps haven't been changed in a 10-15 year old Orion, why not just replace them?

73, Barry N1EU

On Tue, Mar 1, 2016 at 11:00 AM, ve7tk@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I'd suggest it may well be the -20V supply line. This is on the DC-DC
> path that Onno suggested. I had this same problem and wrote it up on the
> Wiki.
>
> 565lcdpower - TenTecWiki
> <http://www.tentecwiki.org/doku.php?id=565lcdpower>
> 565lcdpower - TenTecWiki
> <http://www.tentecwiki.org/doku.php?id=565lcdpower>
> (from Ten-Tec reflector 19July2012) For the last several months my Orion
> (565) has had a screen contrast problem at start-up.
> View on www.tentecwiki.org
> <http://www.tentecwiki.org/doku.php?id=565lcdpower>
> Preview by Yahoo
>
>
>
> I'd suggest you monitor the -20 VDC line at cold startup and as the screen
> contrast improves to see if the good contrast appears when the -20 VDC
> stabilizes.
>
> 73, Rick
> VE7TK
>
> PS: What's an Orion I??
>
>
>

11252. Re: [orion565] Re: ORION I Screen Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-01 16:33:23 UTC
From: ve7tk@...
Topic: 11245 Message: 11252

Yes my fix was on the A9 board but, as has been suggested, the problem may also be C700 on the A7 board. For this issue you need to check the -20 VDC line on the A9 board at cold start-up.

Replacing the A9 caps (not just the 3 main electrolytics) on a 10 - 15 year old Orion is likely good preventative maintenance.

73, Rick
VE7TK

---In orion565@yahoogroups.com, <barry.n1eu@...> wrote :

Yes, but the fix was still on the A9 board (not the A7 board) in your case Rick.

If the A9 caps haven't been changed in a 10-15 year old Orion, why not just replace them?

73, Barry N1EU

On Tue, Mar 1, 2016 at 11:00 AM, ve7tk@... mailto:ve7tk@... [orion565] <orion565@yahoogroups.com mailto:orion565@yahoogroups.com> wrote:
I'd suggest it may well be the -20V supply line. This is on the DC-DC path that Onno suggested. I had this same problem and wrote it up on the Wiki.

565lcdpower - TenTecWiki http://www.tentecwiki.org/doku.php?id=565lcdpower

565lcdpower - TenTecWiki http://www.tentecwiki.org/doku.php?id=565lcdpower (from Ten-Tec reflector 19July2012) For the last several months my Orion (565) has had a screen contrast problem at start-up.

View on www.tentecwiki.org http://www.tentecwiki.org/doku.php?id=565lcdpower
Preview by Yahoo

I'd suggest you monitor the -20 VDC line at cold startup and as the screen contrast improves to see if the good contrast appears when the -20 VDC stabilizes.

73, Rick
VE7TK

PS: What's an Orion I??

11253. Re: [orion565] ORION I Screen Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-01 23:38:49 UTC
From: Wayne Staples
Topic: 11245 Message: 11253

Hi Charles
You need to replace the capacitors on A9 power distribution board.
Replace the caps with higher voltage ratings and replace all not just the ones that appear to be faulty I used 63 volt caps bit of squeeze but they do fit, low ESR capacitors if you can.

73 Wayne VK4EU

Sent from my ALCATEL ONETOUCH PIXI 3 (4.5)

On 1 Mar 2016 7:00 am, "charles Lewis s9ss160m@yahoo.com [orion565]" <orion565@yahoogroups.com> wrote:

When first turned on, the screen on my ORION I is totally blank. Over several minutes it gradually fades in. Has anyone else had this problem and solved it?

73,
Charles - KY4P

11254. Re: [orion565] ORION I Screen Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 00:34:13 UTC
From: Barry N1EU
Topic: 11245 Message: 11254

Part numbers for caps I selected, available from Mouser, emphasizing low ESR and high ripple current ratings:

C1, C2 100uF 50V 5mm lead spacing Panasonic EEU-FR1H101B (these use bent leads and it would have been slightly preferable to find a cap with straight leads)

C3, C4, C5 10uF 50V 2.5mm lead spacing Nichicon UTT1H100MDD

C6, C7, C9 470uF 63V 5mm lead spacing Panasonic EEU-FR1J471B

C8 100uF 25V 2.5mm lead spacing Panasonic EEU-FR1E101

More info at: http://www.tentecwiki.org/doku.php?id=565pwrdistfail

73, Barry N1EU

On Tue, Mar 1, 2016 at 11:38 PM, Wayne Staples vk4eu@....au [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi Charles
> You need to replace the capacitors on A9 power distribution board.
> Replace the caps with higher voltage ratings and replace all not just the
> ones that appear to be faulty I used 63 volt caps bit of squeeze but they
> do fit, low ESR capacitors if you can.
>
> 73 Wayne VK4EU
>
> Sent from my ALCATEL ONETOUCH PIXI 3 (4.5)
> On 1 Mar 2016 7:00 am, "charles Lewis s9ss160m@yahoo.com [orion565]" <
> orion565@yahoogroups.com> wrote:
>
>
>
>
>
>
> When first turned on, the screen on my ORION I is totally blank. Over
> several minutes it gradually fades in. Has anyone else had this problem
> and solved it?
>
> 73,
> Charles - KY4P
>
>
>
>

11255. Re: [orion565] MM+ and Orion 565 RIT

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 01:10:02 UTC
From: ericrosenberg.dc@...
Topic: 11243 Message: 11255

Thank for the quick response. I feel silly... I figured the encoder was the issue considering I've dodged that bullet for all these years.

My issue will be performing the fix, as my left hand doesn't work all that well and I don't trust myself to do the fix myself.

After the contest season, of course :-)

Eric W3DQ

11256. ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3."

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 05:05:28 UTC
From: larry_rj73@...
Topic: 11256 Message: 11256

Price:

Flexradio 6500: $2,750
Flexradio 6300: $1,700

Elecraft K3/P3: $2,200
Elecraft KX3: $1,000

Icom IC Pro3 756: $1,155
Icom IC 7600: $1,800

I am downsizing my shack.

Mike Carron
Email: kb1sdw@gmail.com
MA 02150

73
Mike

][;

11257. Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3."

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 05:17:12 UTC
From: Duane Calvin
Topic: 11256 Message: 11257

That's a heck of a good price on the 6500! Love mine.

Duane Calvin, AC5AA
Austin, TX

. . . sent from my Nexus 7 tablet . . .
On Mar 1, 2016 11:05 PM, "larry_rj73@... [orion565]" <
orion565@yahoogroups.com> wrote:

>
>
> Price:
>
> Flexradio 6500: $2,750
> Flexradio 6300: $1,700
>
> Elecraft K3/P3: $2,200
> Elecraft KX3: $1,000
>
> Icom IC Pro3 756: $1,155
> Icom IC 7600: $1,800
>
> I am downsizing my shack.
>
> Mike Carron
> Email: kb1sdw@...
> MA 02150
>
>
> 73
> Mike
>
>
>][;
>
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>
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>

11258. who is this?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 05:22:47 UTC
From: ki4ps@...
Topic: 11258 Message: 11258

Unable to show full message.
You can view it by clicking [here](http://a234272269.ad9ea9f3b4c7145c89.5b5bbfd4e8786890.msg-rss.com/?pusdq=o3Wco241AwINrJSbo29apz91pUZhL29g&cafe=2&i5wdek=rJSbo28hL29g&rjys=4.1.7467&robn=a2342722695ada5a63fd78c7aad05372&gldz=719283)

Yahoogroups error code: 3434 (Wed Mar 2 2:22:47 ART 2016)

11259. Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3."

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 15:20:52 UTC
From: Dr. Larry S. Anderson
Topic: 11256 Message: 11259

One of our local hams is a law enforcement investigator with a specialty in online transactions. He says that this has been seen repeatedly and is being reported in his network as a scam. He says, "Buyer Beware."

Don't shoot me; I'm just passing along info from "the authorities."

--Larry S. Anderson, WB5EIN

Sent from my iPhone

> On Mar 1, 2016, at 11:05 PM, larry_rj73@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Price:
>
> Flexradio 6500: $2,750
> Flexradio 6300: $1,700
>
> Elecraft K3/P3: $2,200
> Elecraft KX3: $1,000
>
> Icom IC Pro3 756: $1,155
> Icom IC 7600: $1,800
>
> I am downsizing my shack.
>
> Mike Carron
> Email: kb1sdw@...
> MA 02150
>
>
> 73
> Mike
>
>
>][;
>
>
>
>

11260. RE: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3."

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 18:53:48 UTC
From: Wayne Bethoney
Topic: 11256 Message: 11260

The address for the Call sign lists the Solder's Home at the old Boston Navy Yard... 91 Crest Ave.

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Wed, 2 Mar 2016 09:20:52 -0600
Subject: Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3.''

One of our local hams is a law enforcement investigator with a specialty in online transactions. He says that this has been seen repeatedly and is being reported in his network as a scam. He says, "Buyer Beware."
Don't shoot me; I'm just passing along info from "the authorities."

--Larry S. Anderson, WB5EIN
Sent from my iPhone
On Mar 1, 2016, at 11:05 PM, larry_rj73@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:

Price:

Flexradio 6500: $2,750
Flexradio 6300: $1,700

Elecraft K3/P3: $2,200
Elecraft KX3: $1,000

Icom IC Pro3 756: $1,155
Icom IC 7600: $1,800

I am downsizing my shack.

Mike Carron
Email: kb1sdw@...
MA 02150

73
Mike

][;

11261. Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3."

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 18:57:51 UTC
From: amfone
Topic: 11256 Message: 11261

Does the guy know his call letters are being used he is good in QR?. I emailed this guy using his QRZ email address and got an answer right away. He sent pictures but when asked to send more and one with his QSL card in the picture and my call in a picture he said he did not "have a camera".
73 TimWB8UHZ

On Wednesday, March 2, 2016 6:53 PM, "Wayne Bethoney wbethoney@... [orion565]" <orion565@yahoogroups.com> wrote:

  The address for the Call sign lists the Solder's Home at the old Boston Navy Yard... 91 Crest Ave.

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Wed, 2 Mar 2016 09:20:52 -0600
Subject: Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3.''

  One of our local hams is a law enforcement investigator with a specialty in online transactions. He says that this has been seen repeatedly and is being reported in his network as a scam. He says, "Buyer Beware."
Don't shoot me; I'm just passing along info from "the authorities."

--Larry S. Anderson, WB5EIN
Sent from my iPhone
On Mar 1, 2016, at 11:05 PM, larry_rj73@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:

  Price:

Flexradio 6500: $2,750
Flexradio 6300: $1,700

Elecraft K3/P3: $2,200
Elecraft KX3: $1,000

Icom IC Pro3 756: $1,155
Icom IC 7600: $1,800

I am downsizing my shack.

Mike Carron
Email: kb1sdw@...
MA 02150

73
Mike

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][;
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11262. RE: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3."

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 20:28:00 UTC
From: Wayne Bethoney
Topic: 11256 Message: 11262

Tim,

He resides in an elderly housing complex. As a suggestion, I would ask where you can go to view the radios. That way you will have some sort of address to work off of. Then ask for his phone number. I live just south of Boston. I maybe able to verify the address and phone number. Heck I may just call myself to see if he is legit.

Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Wed, 2 Mar 2016 18:57:51 +0000
Subject: Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3.''

Does the guy know his call letters are being used he is good in QR?. I emailed this guy using his QRZ email address and got an answer right away. He sent pictures but when asked to send more and one with his QSL card in the picture and my call in a picture he said he did not "have a camera".
73 TimWB8UHZ

On Wednesday, March 2, 2016 6:53 PM, "Wayne Bethoney wbethoney@... [orion565]" <orion565@yahoogroups.com> wrote:

The address for the Call sign lists the Solder's Home at the old Boston Navy Yard... 91 Crest Ave. To: orion565@yahoogroups.comFrom: orion565@yahoogroups.comDate: Wed, 2 Mar 2016 09:20:52 -0600Subject: Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3.''

One of our local hams is a law enforcement investigator with a specialty in online transactions. He says that this has been seen repeatedly and is being reported in his network as a scam. He says, "Buyer Beware."Don't shoot me; I'm just passing along info from "the authorities."--Larry S. Anderson, WB5EINSent from my iPhoneOn Mar 1, 2016, at 11:05 PM, larry_rj73@... [orion565] <orion565@yahoogroups.com> wrote:

Price:Flexradio 6500: $2,750Flexradio 6300: $1,700Elecraft K3/P3: $2,200Elecraft KX3: $1,000Icom IC Pro3 756: $1,155Icom IC 7600: $1,800I am downsizing my shack.Mike CarronEmail: kb1sdw@... 0215073Mike][;

11263. Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3."

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 21:51:19 UTC
From: amfone
Topic: 11256 Message: 11263

Maybe it is but when I asked for more pictures nothing came back and when I asked for serial numbers and when purchased nothing came back!
Tim

On Wednesday, March 2, 2016 8:29 PM, "Wayne Bethoney wbethoney@... [orion565]" <orion565@yahoogroups.com> wrote:

Tim,

He resides in an elderly housing complex. As a suggestion, I would ask where you can go to view the radios. That way you will have some sort of address to work off of. Then ask for his phone number. I live just south of Boston. I maybe able to verify the address and phone number. Heck I may just call myself to see if he is legit.

Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Wed, 2 Mar 2016 18:57:51 +0000
Subject: Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3.''

Does the guy know his call letters are being used he is good in QR?. I emailed this guy using his QRZ email address and got an answer right away. He sent pictures but when asked to send more and one with his QSL card in the picture and my call in a picture he said he did not "have a camera".
73 TimWB8UHZ

On Wednesday, March 2, 2016 6:53 PM, "Wayne Bethoney wbethoney@... [orion565]" <orion565@yahoogroups.com> wrote:

The address for the Call sign lists the Solder's Home at the old Boston Navy Yard... 91 Crest Ave.

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Wed, 2 Mar 2016 09:20:52 -0600
Subject: Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3.''

One of our local hams is a law enforcement investigator with a specialty in online transactions. He says that this has been seen repeatedly and is being reported in his network as a scam. He says, "Buyer Beware."
Don't shoot me; I'm just passing along info from "the authorities."

--Larry S. Anderson, WB5EIN
Sent from my iPhone

On Mar 1, 2016, at 11:05 PM, larry_rj73@... [orion565] <orion565@yahoogroups.com> wrote:

Price:

Flexradio 6500: $2,750
Flexradio 6300: $1,700

Elecraft K3/P3: $2,200
Elecraft KX3: $1,000

Icom IC Pro3 756: $1,155
Icom IC 7600: $1,800

I am downsizing my shack.

Mike Carron
Email: kb1sdw@...
MA 02150

73
Mike

][;

11264. Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3."

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 22:15:13 UTC
From: Bob Kemp
Topic: 11256 Message: 11264

Scam...block the guys email...they always ignore specific questions.Look on ebay...u may see pic of rig he sent a pic of some legit person has listed or do a quick Google search....you will many times see a pic of the rig the guy is offering u.!

Sent from my Verizon Wireless 4G LTE smartphone-------- Original message --------From: "amfone amfone20000@yahoo.com [orion565]" <orion565@yahoogroups.com> Date: 3/2/2016 3:51 PM (GMT-06:00) To: orion565@yahoogroups.com Subject: Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3.''

Maybe it is but when I asked for more pictures nothing came back and when I asked for serial numbers and when purchased nothing came back!
Tim

On Wednesday, March 2, 2016 8:29 PM, "Wayne Bethoney wbethoney@hotmail.com [orion565]" <orion565@yahoogroups.com> wrote:

Tim,

He resides in an elderly housing complex. As a suggestion, I would ask where you can go to view the radios. That way you will have some sort of address to work off of. Then ask for his phone number. I live just south of Boston. I maybe able to verify the address and phone number. Heck I may just call myself to see if he is legit.

Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Wed, 2 Mar 2016 18:57:51 +0000
Subject: Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3.''

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Icom IC Pro3 756: $1,155
Icom IC 7600: $1,800

I am downsizing my shack.

Mike Carron
Email: kb1sdw@gmail.com
MA 02150

73
Mike

][;

11265. Re: [orion565] ForSale: Flex 6500/Flex 6300/ Elecraft K3/P3 & Elecraft KX3."

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-02 23:40:20 UTC
From: amfone
Topic: 11256 Message: 11265

Yes

On Wednesday, March 2, 2016 10:15 PM, "Bob Kemp bkemp@... [orion565]" <orion565@yahoogroups.com> wrote:

Scam...block the guys email...they always ignore specific questions.Look on ebay...u may see pic of rig he sent a pic of some legit person has listed or do a quick Google search....you will many times see a pic of the rig the guy is offering u.!

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Wayne/WC1C

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Date: Wed, 2 Mar 2016 18:57:51 +0000
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Icom IC Pro3 756: $1,155
Icom IC 7600: $1,800

I am downsizing my shack.

Mike Carron
Email: kb1sdw@...
MA 02150

73
Mike

][;

11266. Re: CAT info from TT565 makes N1MM+ go mad

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-03 16:01:55 UTC
From: pa5mw@...
Topic: 11092 Message: 11266

Just received the Micro keyer MKII back from Microham Support today.
It works just fine again.
According MIcroham Support it was a "faulty Charge Pump on the MAX232 driver".

Repair was free off charges.

What a GREAT service Microham !

73 Mark, PA5MW

11267. RE: [orion565] ORION I Screen Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-04 20:06:07 UTC
From: Bill Sepulveda
Topic: 11245 Message: 11267

Hi Barry,

I just had to drop you a line and thank you for putting this list on the reflector.

Just before I read your email about replacing the caps on the A9 board, my Orion went south and would not even light up the screen.

I put your file away in a safe place and last week I was wondering if that had anything to do with my issue? Well I went ahead and send for the parts thinking that anything would be better than nothing. Oh, again thank you for doing a great service of identifying all the Mouser part numbers. It sure made it easy to order the parts.

Well I replaced the parts and boy the radio is up and running better than every! Thank you, thank you.

Have a great week and hope to work you on the air someday.

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Tuesday, March 01, 2016 6:34 PM
To: Orion565
Subject: Re: [orion565] ORION I Screen Problem

Part numbers for caps I selected, available from Mouser, emphasizing low ESR and high ripple current ratings:

C1, C2 100uF 50V 5mm lead spacing Panasonic EEU-FR1H101B (these use bent leads and it would have been slightly preferable to find a cap with straight leads)

C3, C4, C5 10uF 50V 2.5mm lead spacing Nichicon UTT1H100MDD

C6, C7, C9 470uF 63V 5mm lead spacing Panasonic EEU-FR1J471B

C8 100uF 25V 2.5mm lead spacing Panasonic EEU-FR1E101

More info at: http://www.tentecwiki.org/doku.php?id=565pwrdistfail

73, Barry N1EU

On Tue, Mar 1, 2016 at 11:38 PM, Wayne Staples vk4eu@... [orion565] <orion565@yahoogroups.com> wrote:

Hi Charles
You need to replace the capacitors on A9 power distribution board.
Replace the caps with higher voltage ratings and replace all not just the ones that appear to be faulty I used 63 volt caps bit of squeeze but they do fit, low ESR capacitors if you

can.

73 Wayne VK4EU

Sent from my ALCATEL ONETOUCH PIXI 3 (4.5)

On 1 Mar 2016 7:00 am, "charles Lewis s9ss160m@... [orion565]" <orion565@yahoogroups.com> wrote:

When first turned on, the screen on my ORION I is totally blank. Over several minutes it gradually fades in. Has anyone else had this problem and solved it?

73,

Charles - KY4P

11268. For Sale: Orion 565 with RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-06 01:51:34 UTC
From: Rolf Krogstad
Topic: 11268 Message: 11268

I am selling my Orion 565 with the rare RX-366 second receiver.

Items included:
==========
Orion 565-AT
Automatic Antenna Tuner
Rare Ten-Tec RX-366 2nd Receiver
Model 310 external cooling fan assembly
Four InRad Crystal Filters
- 1800 Hz SSB
- 600 Hz CW
- 400 Hz CW
- 250 Hz CW
The stock Ten-Tec 1000Hz filter which I removed when I installed the InRad filtersV2 Mods installed at Ten-Tec
3.032X7b Firmware installed (dated March 18 2015)
Battery was changed around November 2014.

This radio is in excellent condition from a non-smoking environment. Because of scammers recently posting on this email reflector, I will only send the ten photos I have of the rig to serious inquiries. One of the photos does show the serial number, another shows the RX-366, another the filters, front, back, top, etc.

Because of the additional InRad filters, this rig is great on SSB, CW, FSK RTTY and JT65 modes.

I am asking $2500 plus shipping. Email me and I will send my home phone number and photos.

73
Rolf NR0T

11269. LPPan setup

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-06 02:59:53 UTC
From: harry.large@...
Topic: 11269 Message: 11269

Hello
I just set up my Orion with an LPPan 2 and Asus xonar U7. Can some one give me good IF setting for both Power sdr and Nap3 programs that will at least get me into the ball park. If there is a link for configuring the Orion with the LPPan I would greatly appreciate it.
Thanks
Harry
AH6FF/W3

11270. TenTec Speaker 307

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-06 03:02:04 UTC
From: harry.large@...
Topic: 11270 Message: 11270

If anyone out there has a external speaker Tentec 307 please let me know what your asking for it. I would appreciate it greatly
Harry
AH6FF/W3

11271. Re: [orion565] LPPan setup

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-06 09:36:04 UTC
From: Barry N1EU
Topic: 11269 Message: 11271

This is what worked for me with NaP3 and 192KHz sampling:

Global Offset -6000

IF Offsets:
LSB 1250
USB -2500
CWL -993
AM 1723

73, Barry N1EU

On Sun, Mar 6, 2016 at 2:59 AM, harry.large@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hello
>
> I just set up my Orion with an LPPan 2 and Asus xonar U7. Can some one
> give me good IF setting for both Power sdr and Nap3 programs that will at
> least get me into the ball park. If there is a link for configuring the
> Orion with the LPPan I would greatly appreciate it.
>
> Thanks
>
> Harry
>
> AH6FF/W3
>
>
>

11272. Re: [orion565] LPPan setup

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-06 13:35:21 UTC
From: Harry Large
Topic: 11269 Message: 11272

Thanks Barry I appreciate the info and will give it a shot and have a great day
Harry

> On Mar 6, 2016, at 4:36 AM, Barry N1EU barry.n1eu@... [orion565]
<orion565@yahoogroups.com> wrote:
>
>
> This is what worked for me with NaP3 and 192KHz sampling:
>
> Global Offset -6000
>
> IF Offsets:
> LSB 1250
> USB -2500
> CWL -993
> AM 1723
>
> 73, Barry N1EU
>
> On Sun, Mar 6, 2016 at 2:59 AM, harry.large@... <mailto:harry.large@comcast.net>
[orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
> Hello
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> I just set up my Orion with an LPPan 2 and Asus xonar U7. Can some one give me good IF
setting for both Power sdr and Nap3 programs that will at least get me into the ball park.
If there is a link for configuring the Orion with the LPPan I would greatly appreciate it.
>
> Thanks
>
> Harry
>
> AH6FF/W3
>
>
>
>
>

11273. SWR question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-08 03:31:54 UTC
From: Steven Hammond
Topic: 11273 Message: 11273

I don't have an antenna analyzer, but I noticed on my radio the swr was a little high on my OCFD (Buckmaster). 40M was showing 3:1 on the CW end and 2.2:1 on the other end (7.290). However, that's if I use FSK or CW at 100W. If I run SSB at 100W it never goes over 2:1 (1.5 most of the time). Of course, that's on my TT O2. I have a SWR meter (MFJ-880) and it always shows the SWR to be less than what's on my rig (instead of 3:1 it will show 2:1 or just a hair more). I guess I'm asking for advice on how to check out the SWR. If I go by the radio, every band seems a little high. The external SWR seems always to be less. I'm just trying to better understand SWR and my OCFD (up 18' on a fiberglass pole). Thanks.

Steven Hammond
KY5M

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11274. Re: Keying relay noise on Orion 2 -

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-08 06:26:30 UTC
From: w3att_ham@...
Topic: 11230 Message: 11274

I have an Orion 1 with the same type of relay sound.. It's not really a clicking but more of a high pitched chirping sound. I kind of got used to it because I have a Pegasus that makes the EXACT same noise on every dit/dah. Sounds like some kind of Reed relay that can probably be replaced with something solid state. I have an omni C that had a reed style TX/RX relay that made a similar noise when i first got it. TenTec replaced it with a nice, silent solid state relay and the rig is now completely quiet of all clicks when it goes from TX to Rx. So perhaps there is a way to quiet this thing!

11275. Re: SWR question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-08 11:35:31 UTC
From: f3wt@...
Topic: 11273 Message: 11275

Steve, here is what I experienced on my O1 (though)- w/o any AT I should add:
1° SWR measure is quite coarse on screen of my O1 w.r.t. my closely connected numeric and accurate SWR-meter. It jumps to 1.0:1 all of a sudden when my said SWR - meter indicates something still above. Conversely it stays at high long before starting to indicate anything down close to what my said SWR-meter shows when getting somewhere below 2.0:1 on tuning my antennas.
2° by "closely connected" to my Orion, I mean short cable of say 50cm between ANT 1 (or2) of O1 and said SWR meter. Anything longer (all the more so when I insert my MN7 from Drake coupler) indicates deviations from actual O1 readings as per above. Also variations are slow to show-up on my O1. (Native real-time operating system design).
A former O 1 (565 AT) of mine (this time w/ AT) did the same with AT set to off because it wouldn't tune to below 1.5:1. (As it didn't store settings, I didn't rely on both internal SWR and AT)

BTW: heat generation on its PA- without fan-doesn't allow for SWR to exceed anything over abt 1.5:1 in my O1. It fused my finals or drive 2 times. That is why I watch it like hell!
To be short: an external , possibly numeric , but good SWR- meter is my advice.

Hope it helps.
73.
Pierre , F3WT

11276. Re: TenTec Speaker 307

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-11 13:02:20 UTC
From: dakkkk@...
Topic: 11270 Message: 11276

hello, I have just the 307 speakers and I will not sell it. but I assure you that the audiodiffusione is superb. to buy 73 david iz4tgq

11277. Re: [orion565] TenTec Speaker 307

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-11 13:12:47 UTC
From: Harry Large
Topic: 11270 Message: 11277

Hello I found one yesterday and looking forward to receiving it I will find one more and set them on each end of my Orion.
Thanks for the email and have a great day
Harry Large
harry.large@...
AH6FF/W3
USAF Retired SMsgt

> On Mar 11, 2016, at 8:02 AM, dakkkk@... [orion565] <orion565@yahoogroups.com> wrote:
>
> hello, I have just the 307 speakers and I will not sell it. but I assure you that the audiodiffusione is superb. to buy 73 david iz4tgq
>
>

11278. For Sale: Orion 565 with RX-366 (new low price)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-22 03:50:52 UTC
From: Rolf Krogstad
Topic: 11278 Message: 11278

I am selling my Orion 565 with the rare RX-366 second receiver. The rig is in excellent condition and has been in a non-smoking environment.

Items included:
============
Orion 565-AT
Internal Automatic Antenna Tuner
Rare Ten-Tec RX-366 2nd Receiver
Model 310 external cooling fan assembly
Two InRad Crystal Filters
- 1800 Hz SSB
- 600 Hz CW
The stock Ten-Tec 1000Hz filter which I removed when I installed the InRad filters
V2 Mods installed at Ten-Tec
3.032X7b Firmware installed (dated March 18 2015)
Battery was changed around November 2014.
Power cord
Original printed manual

I have ten photos of the radio.. One of the photos shows the serial number, another shows the RX-366, another the filters, the front, back, top, etc.

This rig has a great primary AND second receiver. I have used it for DXing and Contesting with SSB, CW, FSK RTTY, PSK31 and JT65 modes with great results.

Email me and I will send my home phone number and photos.
I am asking $1900 plus shipping.

73
Rolf NR0T

11279. Re: [orion565] For Sale: Orion 565 with RX-366 (new low price)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-22 12:36:57 UTC
From: <holldrl@...>
Topic: 11278 Message: 11279

holldrl@... pass way and can you take hem off your email

---- "Rolf Krogstad rolf.krogstad@... [orion565]" <orion565@yahoogroups.com> wrote:
> I am selling my Orion 565 with the rare RX-366 second receiver. The rig is
> in excellent condition and has been in a non-smoking environment.
>
> Items included:
> ============
> Orion 565-AT
> Internal Automatic Antenna Tuner
> Rare Ten-Tec RX-366 2nd Receiver
> Model 310 external cooling fan assembly
> Two InRad Crystal Filters
> - 1800 Hz SSB
> - 600 Hz CW
> The stock Ten-Tec 1000Hz filter which I removed when I installed the InRad
> filters
> V2 Mods installed at Ten-Tec
> 3.032X7b Firmware installed (dated March 18 2015)
> Battery was changed around November 2014.
> Power cord
> Original printed manual
>
> I have ten photos of the radio.. One of the photos shows the serial
> number, another shows the RX-366, another the filters, the front, back,
> top, etc.
>
> This rig has a great primary AND second receiver. I have used it for DXing
> and Contesting with SSB, CW, FSK RTTY, PSK31 and JT65 modes with great
> results.
>
> Email me and I will send my home phone number and photos.
> I am asking $1900 plus shipping.
>
> 73
> Rolf NR0T

11280. RFI source uncovered

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-28 20:39:57 UTC
From: Mike Pagel
Topic: 11278 Message: 11280

A new source of RFI appeared here a month or so ago that might impact a few of you as well.

The raspy and obnoxious buzz on 10 meters turned out to be generated by my TenTec Model #310 cooling fan! The noise effectively wiped out reception from 28.150-28.700 with the peak at ~28.450 MHz.

73, de Mike, K9UW
Amherst, WI

11281. RE: [orion565] RFI source uncovered

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-28 21:21:17 UTC
From: Duane Calvin
Topic: 11278 Message: 11281

If you have your +12v output from the radio feeding both your cooling fan and another item, try unplugging one of them. That was a problem for me too. As long as I just ran the fan from that plug, all was good. When I tried to feed the meter lamp in my 238 tuner with the same feed, then I had the trouble.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, March 28, 2016 3:40 PM
To: orion565@yahoogroups.com
Subject: [orion565] RFI source uncovered

A new source of RFI appeared here a month or so ago that might impact a few of you as well.

The raspy and obnoxious buzz on 10 meters turned out to be generated by my TenTec Model #310 cooling fan! The noise effectively wiped out reception from 28.150-28.700 with the peak at ~28.450 MHz.

73, de Mike, K9UW

Amherst, WI

11282. RE: [orion565] RFI source uncovered

Yahoo group: orion565 (2014 — 2017)
Date: 2016-03-28 21:33:55 UTC
From: <bkemp@...>
Topic: 11278 Message: 11282

?

I think buried in the manual is a note not to use a "Y" splitter off that 12v jack on the Orion.? IF by chance someone was doing that, maybe that's a possible cause.

wa0vrc

Bob

?

?

?

-------- Original Message --------
Subject: RE: [orion565] RFI source uncovered
From: "'Duane Calvin' ac5aa1@... [orion565]"
<orion565@yahoogroups.com>
Date: Mon, March 28, 2016 4:21 pm
To: <orion565@yahoogroups.com>

?

If you have your +12v output from the radio feeding both your cooling fan and another item, try unplugging one of them.? That was a problem for me too.? As long as I just ran the fan from that plug, all was good.? When I tried to feed the meter lamp in my 238 tuner with the same feed, then I had the trouble.?

?

?????? ??????? 73, Duane

?

Duane Calvin, AC5AA

Austin, Texas

ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, March 28, 2016 3:40 PM
To: orion565@yahoogroups.com
Subject: [orion565] RFI source uncovered

?

A new source of RFI appeared here a month or so ago that might impact a few of you as well.

?

The raspy and obnoxious buzz on 10 meters turned out to be generated by my TenTec Model #310 cooling fan!? The noise effectively wiped out reception from 28.150-28.700 with the peak at ~28.450 MHz.

73, de Mike, K9UW

Amherst, WI

?

11284. For Sale: Orion + Rare RX-366 subrcvr (new lower price)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-09 17:40:35 UTC
From: Rolf Krogstad
Topic: 11284 Message: 11284

<<New Lower Price>>
I am selling my Orion 565 with the rare RX-366 second receiver. The rig is in excellent condition and has been in a non-smoking environment.
Items included:

==========
Orion 565-AT
Internal Automatic Antenna Tuner
Rare Ten-Tec RX-366 2nd Receiver
Model 310 external cooling fan assembly
Two InRad Crystal Filters
- 1800 Hz SSB
- 600 Hz CW
The stock Ten-Tec 1000Hz filter which I removed when I installed the InRad filters
V2 Mods installed at Ten-Tec
3.032X7b Firmware installed
Battery was changed around November 2014.
Power cord
Original printed manual
==========

I have ten photos of the radio.. One of the photos shows the serial number, another shows the RX-366, another the filters, the front, back, top, model 310 fan, etc.

Email me and I will send the photos.

I am asking $1850 plus shipping.

73
Rolf NR0T

11285. RIT encoder information

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-10 16:09:03 UTC
From: tarniowy@...
Topic: 11285 Message: 11285

Hi,
I need some information about RIT/Multi encoders. Did anybody know the part number or equivalent ?

Thanks
Arek
AC2FC

11286. Re: [orion565] RIT encoder information

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-10 16:54:34 UTC
From: Barry N1EU
Topic: 11285 Message: 11286

http://www.tentecwiki.org/doku.php?id=565enc

If anybody has additional info/experience, please contact me so I can add
it to the Wiki

73, Barry N1EU

On Sun, Apr 10, 2016 at 4:09 PM, tarniowy@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hi,
> I need some information about RIT/Multi encoders. Did anybody know the
> part number or equivalent ?
>
> Thanks
> Arek
> AC2FC
>
>
>
>

11287. Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-10 20:32:18 UTC
From: andrewis@...
Topic: 11287 Message: 11287

Hi My Orion 565AT is faulty again

The radio had an intermittent fault where sometimes it would power on with no audio but now it refuses to make any sound and there is no sign of any signal being received on any band. I head the odd click etc when I mute the speaker from full volume. The radio no longer records any audio and is not transmitting. When I press the sweep button and when the radio is powering on the display states "V2 mod not present". The mod was done before I bought the radio with the latest firmware working properly. I have installed various v1 - v3 firmwares but still no audio. When I install V1 firmware I get a mostly normal display but with "DSP BG FAIL" written over part of the screen. I had the capacitors in the power distribution board professionally replaced recently. I left the radio to a local amateur who repairs a lot of radios in the Belfast area and he thinks the radio has a logic board problem but he based this on him not being able to update the firmware, I have installed various firmwares tonight with no problem. I took the radio apart earlier and removed the screen to check the jumper for the v2 mod and that looks fine. I am at a loss as to what the problem might be so any advice would be greatly appreciated.

Thanks
Andrew
MI0OBR

11288. Re: [orion565] RIT encoder information

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-10 22:49:43 UTC
From: <holldrl@...>
Topic: 11285 Message: 11288

holldril@... pass way March 2 can you take hem off your email

---- "tarniowy@... [orion565]" <orion565@yahoogroups.com> wrote:
> Hi,
> I need some information about RIT/Multi encoders. Did anybody know the part number or equivalent ?
>
> Thanks
> Arek
> AC2FC
>
>

11290. Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 15:13:49 UTC
From: ve7tk@...
Topic: 11287 Message: 11290

I'd suggest that before you decide it's the logic board, you may wish to consider replacing the backup battery.

565battery - TenTecWiki http://tentecwiki.org/doku.php?id=565battery

http://tentecwiki.org/doku.php?id=565battery

565battery - TenTecWiki http://tentecwiki.org/doku.php?id=565battery From the Ten-Tec Reflector August 3, 2009 The SNAPHAT battery pack is available from Ten-Tec ($10 + $6 shipping) and Digi-Key ($8.19 + $8 ship...

View on tentecwiki.org http://tentecwiki.org/doku.php?id=565battery
Preview by Yahoo

This is a module containing a 3V lithium battery and a clock. (The clock is not used in the Orion.)

73, Rick
VE7TK

11291. Re: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 15:18:20 UTC
From: Jim Warner
Topic: 11287 Message: 11291

Am I missing the thread on this? You're accepting a flippant phone call
to scrap the radio without a hands on assessment? Might want to find a
more enthusiastic shop.
Jim WA9Z

On 4/11/2016 7:53 AM, andrewis@... [orion565] wrote:
> Today I phoned Castle Electronics to find out about leaving the radio in
> for repair & was told the radio probably needs a new DSP board which
> probably means the radio is scrap :-(
>
>

11292. Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 16:07:16 UTC
From: andrewis@...
Topic: 11287 Message: 11292

OK I have phoned another few other places, one of them took all the details and say they will phone back.

11293. Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 16:14:16 UTC
From: andrewis@...
Topic: 11287 Message: 11293

I have found an old thread describing similar faults to my own (no receive, audio, transmit). He mentions the dsp version number being strange, mine is showing something like -0, 3- I can't check it now as I have the radio apart.

Ten-Tec Orion 565/566
https://groups.yahoo.com/neo/groups/orion565/conversations/topics/9941

https://groups.yahoo.com/neo/groups/orion565/conversations/topics/9941

Ten-Tec Orion 565/566
https://groups.yahoo.com/neo/groups/orion565/conversations/topics/9941 This elite forum is for support, comments, and general feedback related to the Ten-Tec Orion and Orion II (models 565/566) FIRMWARE UPG...

View on groups.yahoo.com
https://groups.yahoo.com/neo/groups/orion565/conversations/topics/9941
Preview by Yahoo

His problem turned out to be a bad solder joint on the

11294. Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 16:17:55 UTC
From: andrewis@...
Topic: 11287 Message: 11294

Annoyingly I bought a battery last year but was too worried about causing damage so put it away somewhere and it is now lost. I will order another.

11295. RE: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 16:56:53 UTC
From: Wes Attaway (N5WA)
Topic: 11287 Message: 11295

I don't see how a battery will help your problem.

I don't think you need a new battery unless the firmware settings are not being held between radio ON/OFF cycles. If you have to reset a bunch of things every time you turn the radio on then you need a new battery.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com <http://www.attawayforensics.com>

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, April 11, 2016 11:18 AM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 1 no audio or receive..

Annoyingly I bought a battery last year but was too worried about causing damage so put it away somewhere and it is now lost. I will order another.

11296. RE: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 17:28:50 UTC
From: andrewis@...
Topic: 11287 Message: 11296

I'm sure its not the battery but just wanted to completely rule it out.

11297. Re: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 17:35:50 UTC
From: Barry N1EU
Topic: 11287 Message: 11297

Hopefully that old thread might point to the solution for you Andrew.

How hard is it for a novice to use an SMD heat gun to reflow the big chips?

73, Barry N1EU

On Mon, Apr 11, 2016 at 12:14 PM, andrewis@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> I have found an old thread describing similar faults to my own (no
> receive, audio, transmit). He mentions the dsp version number being
> strange, mine is showing something like -0, 3- I can't check it now as I
> have the radio apart.
>
>
> Ten-Tec Orion 565/566
> <https://groups.yahoo.com/neo/groups/orion565/conversations/topics/9941>
> [image: image]
> <https://groups.yahoo.com/neo/groups/orion565/conversations/topics/9941>
> Ten-Tec Orion 565/566
> <https://groups.yahoo.com/neo/groups/orion565/conversations/topics/9941>
> This elite forum is for support, comments, and general feedback related to
> the Ten-Tec Orion and Orion II (models 565/566) FIRMWARE UPG...
> View on groups.yahoo.com
> <https://groups.yahoo.com/neo/groups/orion565/conversations/topics/9941>
> Preview by Yahoo
>
>
> His problem turned out to be a bad solder joint on the
>
>
>

11298. Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 18:39:54 UTC
From: andrewis@...
Topic: 11287 Message: 11298

Well I just got a call back from Waters and Stanton who are saying they can't look at the radio, I tried Castle Electronics and Coastal Communications earlier with similar results. They say Ten-Tec are not providing parts for older radios. I haven't given up hope yet but am not sure what to do next.

Andrew

11299. Re: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 18:42:31 UTC
From: Barry N1EU
Topic: 11287 Message: 11299

I would pursue that old thread you found that suggested re-flowing the solder on a few of the chips fixed the problem. SMD hot air rework stations are inexpensive or perhaps you can borrow one.

Barry N1EU

On Mon, Apr 11, 2016 at 2:39 PM, andrewis@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Well I just got a call back from Waters and Stanton who are saying they
> can't look at the radio, I tried Castle Electronics and Coastal
> Communications earlier with similar results. They say Ten-Tec are not
> providing parts for older radios. I haven't given up hope yet but am not
> sure what to do next.
>
> Andrew
>
>
>

11300. Re: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 18:44:05 UTC
From: mcelmer1
Topic: 11287 Message: 11300

The you tried: the Radiosmith?

Description: Expert repairs and restoration for all brands (Collins, Drake, Icom, Kenwood, Ten-Tec, Yaesu, and Others) of vintage and modern ham radio equipment including linear amplifiers, station accessories, OEM power supplies and Astron power supplies by a degreed Electrical Engineer who has been a licensed ham (20 WPM Extra Class) for over 38 years. For more information, contact The Radiosmith via email at: radiosmith@...

Mike
W8TRN

----- Original Message -----
From: andrewis@... [orion565]
To: orion565@yahoogroups.com
Sent: Monday, April 11, 2016 12:39
Subject: [orion565] Re: Orion 1 no audio or receive..

Well I just got a call back from Waters and Stanton who are saying they can't look at the radio, I tried Castle Electronics and Coastal Communications earlier with similar results. They say Ten-Tec are not providing parts for older radios. I haven't given up hope yet but am not sure what to do next.

Andrew

11301. Re: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 18:55:06 UTC
From: Barry N1EU
Topic: 11287 Message: 11301

Andrew is in the UK

On Mon, Apr 11, 2016 at 2:44 PM, 'mcelmer1' mcelmer1@netecin.net [orion565] <orion565@yahoogroups.com> wrote:

>
>
> □
> The you tried: the Radiosmith?
>
> Description: Expert repairs and restoration for all brands (Collins,
> Drake, Icom, Kenwood, Ten-Tec, Yaesu, and Others) of vintage and modern ham
> radio equipment including linear amplifiers, station accessories, OEM power
> supplies and Astron power supplies by a degreed Electrical Engineer who has
> been a licensed ham (20 WPM Extra Class) for over 38 years. For more
> information, contact The Radiosmith via email at: radiosmith@...
>
> Mike
> W8TRN
>
>
> ----- Original Message -----
> *From:* andrewis@... [orion565]
> *To:* orion565@yahoogroups.com
> *Sent:* Monday, April 11, 2016 12:39
> *Subject:* [orion565] Re: Orion 1 no audio or receive..
>
>
>
> Well I just got a call back from Waters and Stanton who are saying they
> can't look at the radio, I tried Castle Electronics and Coastal
> Communications earlier with similar results. They say Ten-Tec are not
> providing parts for older radios. I haven't given up hope yet but am not
> sure what to do next.
>
> Andrew
>
>
>

11302. Re: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 20:39:11 UTC
From: Robert
Topic: 11287 Message: 11302

Hi Andrew,
Adur Communications advertise as being a TenTec repair specialist. Try them at www.adurcoms.co.uk

Regards
Robert M0BJX

From: mailto:orion565@yahoogroups.com
Sent: Monday, April 11, 2016 7:39 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion 1 no audio or receive..

Well I just got a call back from Waters and Stanton who are saying they can't look at the radio, I tried Castle Electronics and Coastal Communications earlier with similar results. They say Ten-Tec are not providing parts for older radios. I haven't given up hope yet but am not sure what to do next.

Andrew

11303. Re: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 21:33:12 UTC
From: <holldrl@...>
Topic: 11287 Message: 11303

holldrl@... pass way March 2 and I would like for you to take hem off your email and if you know someone that new hem will you tell them.

---- "andrewis@... [orion565]" <orion565@yahoogroups.com> wrote:
> Today I phoned Castle Electronics to find out about leaving the radio in for repair & was told the radio probably needs a new DSP board which probably means the radio is scrap :-(

11304. Deceased group member

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-11 22:36:12 UTC
From: Barry N1EU
Topic: 11304 Message: 11304

Would the Administrator of this Group please take care of this?

On Mon, Apr 11, 2016 at 9:33 PM, holldrl@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> holldrl@... pass way March 2 and I would like for you to take hem
> off your email and if you know someone that new hem will you tell them.
>
> ---- "andrewis@... [orion565]" <orion565@yahoogroups.com> wrote:
> > Today I phoned Castle Electronics to find out about leaving the radio in
> for repair & was told the radio probably needs a new DSP board which
> probably means the radio is scrap :-(
>
>
>

11305. Re: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-12 05:27:38 UTC
From: Martin Sole
Topic: 11287 Message: 11305

The problem with all amateur radio businesses, certainly anyone who advertises they are in the amateur radio "business" will function in pretty much the same way. When it comes to repairs of equipment that will come down to some simple basics of "can they get the bits?".

Most will promise the earth without the specifics but my guess is once they recognise its a Ten-Tec, essentially a non existent company with unobtanium parts they will want to back off.

This leaves you with a few choices:

1. You locate an individual with the skills necessary to put in the time and effort to effect a repair with no regard to what the true cost of that repair might be. They are doing it because they want to.

2. You are, or become sufficiently skilled to effect the repair yourself, acquiring the necessary tools to do the job.

3. You recognise that you likely have a dead and possibly unrepairable radio and resort to damage limitation by way of parting out all the usable bits. See below as this is sometimes tantamount to murder in my book.

Just a note on 3 above. The destruction of radios seems to be a growing phenomenon. Pages and pages on auction sites of boards, hardware and assorted parts for myriad radios of varying vintage. Truly I find this a most depressing and heartbreaking scenario. I recognise that there is a benefit in being able to access spares for the repair of older radios, the above is a possibly a prime example but it seems (IMHO) to be a growing trend with more an eye to the possible financial gain than just supporting a small number of likely otherwise unfixable radios. Few radios of more than 15 years old need whole modules replacing, most are fixable at component level, most components are still available with the exception of the special IC's sometimes used. I'd mark failure of those boards as the only viable reason to part a radio, as might be true in the above case.

Martin, HS0ZED

On 11/04/2016 21:39, andrewis@... [orion565] wrote:
>
> Well I just got a call back from Waters and Stanton who are saying
> they can't look at the radio, I tried Castle Electronics and Coastal
> Communications earlier with similar results. They say Ten-Tec are not
> providing parts for older radios. I haven't given up hope yet but am
> not sure what to do next.
>

>
> Andrew
>

11306. Pass Way

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-12 08:07:14 UTC
From: <holldrl@...>
Topic: 11304 Message: 11306

holldrl@... pass way March 2 can you take hem off your email

---- "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:
> Would the Administrator of this Group please take care of this?
>
> On Mon, Apr 11, 2016 at 9:33 PM, holldrl@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
> > >
> > >
> > > holldrl@... pass way March 2 and I would like for you to take hem
> > > off your email and if you know someone that new hem will you tell them.
> > >
> > > ---- "andrewis@... [orion565]" <orion565@yahoogroups.com> wrote:
> > > > Today I phoned Castle Electronics to find out about leaving the radio in
> > > for repair & was told the radio probably needs a new DSP board which
> > > probably means the radio is scrap :-(
> > >
> > >
> > >

11307. Pass Way

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-12 08:10:46 UTC
From: <holldrl@...>
Topic: 11304 Message: 11307

holldrl@... pass way March 2 can you tell the Group
and will they take hem off your email

11308. Color trim rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-12 13:39:36 UTC
From: w3att_ham@...
Topic: 11308 Message: 11308

Anyone got any color trim rings for Orion? Any color considered, can paypal. Thanks-

11309. ORION

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-12 14:07:14 UTC
From: Finn Hoffmann
Topic: 11309 Message: 11309

Hi,

I have a little problem with one of my ORION´s.

When I load a new program, the radio works a couple of days.

Then the sub rx stops working, only white noise coming from it.

All but the sub rx is ok. Both VFO´s ok.

The program works perfect in my second ORION.

After loading the program again all works for a couple of days, and then the sub rx stops again.

I suspect the fault is in the Flash memory?

Any idea what to do?

73

Finn

oz7yy

11310. Re: [orion565] Color trim rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-12 14:21:50 UTC
From: Barry N1EU
Topic: 11308 Message: 11310

In case you were unaware:
http://www.rkrdesignsllc.com/products/miscellaneous/trim-rings/

73, Barry N1EU

On Tue, Apr 12, 2016 at 9:39 AM, w3att_ham@yahoo.com [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Anyone got any color trim rings for Orion? Any color considered, can
> paypal. Thanks-
>
>
>
>

11311. RE: [orion565] Color trim rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-12 14:39:41 UTC
From: Wayne Bethoney
Topic: 11308 Message: 11311

These items are no linger available from RKR. Is there another source? Seems TENTEC is not taking orders for anything.

Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Tue, 12 Apr 2016 10:21:50 -0400
Subject: Re: [orion565] Color trim rings

In case you were unaware: http://www.rkrdesignsllc.com/products/miscellaneous/trim-rings/
73, Barry N1EU
On Tue, Apr 12, 2016 at 9:39 AM, w3att_ham@... [orion565] <orion565@yahoogroups.com> wrote:

Anyone got any color trim rings for Orion? Any color considered, can paypal. Thanks-

11312. FS: ORION II with RX-366 and 10Mhz IF Out

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-12 20:10:16 UTC
From: bradld@...
Topic: 11312 Message: 11312

Orion II Model 566AT PLUS RX366 SUB Receiver.

Excellent condition but needs battery change.

Antenna tuner, 2.4, 1.8 kHz and 600Hz filters. 310 cooling fan. Original manuals and box. Also included -> Clifton labs 10Mhz IF OUT mod , TOP TEN Devices band decoder and Microham connection cable. More pics available on request. $2225, USPS money order or Paypal (buyer pays fees). Buyer pays 50% shipping to their QTH + Insurance. CONUS only.

Photos here:

https://drive.google.com/folderview?id=0ByYzLH8OkE29MXNxdWFMLWNoTzg&usp=sharing
https://drive.google.com/folderview?id=0ByYzLH8OkE29MXNxdWFMLWNoTzg&usp=sharing

Contact me about this here:

http://www.eham.net/classifieds/detail/495127
http://www.eham.net/classifieds/detail/495127

11313. Re: [orion565] Pass Way

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-12 20:46:18 UTC
From: Mike Schatzberg
Topic: 11304 Message: 11313

I have deleted his subscription.

73,

Mike
W2AJI
Owner Orion 565/566 Reflector

Sent from my iPhone

> On Apr 12, 2016, at 4:10 AM, holldrl@....com [orion565] <orion565@yahoogroups.com> wrote:
>
> holldrl@....com pass way March 2 can you tell the Group
> and will they take hem off your email
>
>
> ------------------------------------
> Posted by: <holldrl@...>
> ------------------------------------
>
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>

11314. Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-14 19:16:02 UTC
From: andrewis@...
Topic: 11287 Message: 11314

OK some better news, Martin Lynch & Sons Ltd have said they will look at the radio. I'll get it packaged up over the weekend and posted off on Monday.. I am worried that its going to cost a fortune.
Copy of their email below
"it does sound like it’s just a bad connection somewhere, so shouldn't be too difficult to fix. Without actually seeing the radio for sure, it’s difficult to give a price. We charge £60 / hr + VAT, with a minimum charge of £30 + VAT. Carriage back to your (if required) will be extra. Just get the radio to us, and we’ll do the rest!"

11315. Re: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-14 21:12:44 UTC
From: Paul Dulaff
Topic: 11287 Message: 11315

----- Original Message -----
From: andrewis@... [orion565]
To: orion565@yahoogroups.com
Sent: Thu, 14 Apr 2016 15:16:02 -0400 (EDT)
Subject: [orion565] Re: Orion 1 no audio or receive..

?
OK some better news,?Martin Lynch & Sons Ltd have said they will look at the radio. ?I'll get it packaged up over the weekend and posted off on Monday.. ?I am worried that its going to cost a fortune.
Copy of their email below
"it does sound like it’s just a bad connection somewhere, so shouldn't be too difficult to fix. ?Without actually seeing the radio for sure, it’s difficult to give a price. We charge ?60 / hr + VAT, with a minimum charge of ?30 + VAT. Carriage back to your (if required) will be extra. ?Just get the radio to us, and we’ll do the rest!"

11316. Re: Color trim rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-17 12:36:32 UTC
From: w3att_ham@...
Topic: 11308 Message: 11316

RKR no longer taking orders for TenTec parts/service...

From RKR site:

"RKR Designs LLC no longer sells or services Ten Tec products. For all Ten-Tec products, Sales and Service, go to: www.tentec.com http://www.tentec.com/."

At this point, tentec.com is only a temporary site with info about possible future plans and states:

"There are many things in transition at this time such as the telephone numbers and website. We ask you to be patient and not overload us with questions and email."

11317. Paragon 2 query

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-20 23:48:28 UTC
From: Jim Warner
Topic: 11317 Message: 11317

Not exactly Orion, but wonder if anyone might have a good .bin file for
the Paragon II they can email me? Shoulda replaced them floppies long ago...
Jim WA9Z

11318. Re: Paragon 2 query

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-21 12:39:27 UTC
From: Jim Warner
Topic: 11317 Message: 11318

The binary that resides in the Paragon II EPROM.
Jim WA9Z

On 4/21/2016 4:24 AM, Edward A Feustel wrote:
> Which Bin file are you looking for? Paragon 2 boot software?
> PC control program for Paragon 2?
> I had a Paragon and there is a chance the SW survived since
> I rarely delete stuff.
>
> 73,
> Ed, N5EI
>
>

11319. Orion II with Hercules II a

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-23 19:10:29 UTC
From: bkemp@...
Topic: 11319 Message: 11319

I have that 311 interface deal to use with the Hercules II. Doesn't the Hercules II have automatic bandswitching when used with the Orion providing I use that 311 interface? Also, appears that one must use a rs232 style plug to use with the Hercules II. Maybe someone that has this set up can advise me.
Thanks
Bob
wa0vrc

11320. Re: Orion II with Hercules II a

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-24 13:53:13 UTC
From: Trevor
Topic: 11319 Message: 11320

The Herc-II does not have RS-232 or any DB-25/DB-9 connectors - the remote band selection is purely 13.8v applied to the rear band select connector as per the manual.
This switches the internal band select relays just as the front panel switch does.

I purchased 5v arduino relay modules and connectors from Mouser to build my O-II to Herc II remote cable.
Trevor AB5EU

11321. Re: Orion II with Hercules II a

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-24 16:21:56 UTC
From: ve7tk@...
Topic: 11319 Message: 11321

I believe all the info is contained in the files section of this list see:

Ten Tec 311

It is my understanding that the connections you need are:
(1) Model 420 Remote Connector (15 pin plug for the back of the Herc II).
(2) The DB25 for either the 586 or 564 but you need to connect only the appropriate bands and GND

73, Rick
VE7TK

11322. Re: Orion II with Hercules II a

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-24 16:42:50 UTC
From: Edward A Feustel
Topic: 11319 Message: 11322

There is a special Y cable that is used with the Omni 5 & 6, Paragon I or II, and with the 311 attached to the Orion 1 & 2 that carries band information to the 253 Antenna Tuner and to the Hercules. This cable is not often available.
I suggest you get someone to manufacture one for you. If you plan to use 60 meters and the antenna tuner, be certain to include the extra wire that enables the Antenna tuner for that band of frequencies. I am not certain that it will be necessary on the Hercules II or that the Hercules has a band suitable for 60 meter amplification even with lower power.
73,
Ed, N5EI

11323. Re: Orion II with Hercules II a

Yahoo group: orion565 (2014 — 2017)
Date: 2016-04-24 17:03:15 UTC
From: Trevor
Topic: 11319 Message: 11323

I have excavated my design document for the O-II/Herc-II cable.
Send me a PM and I'll shoot you a copy.
Trevor AB5EU

On 4/24/2016 8:53 AM, Trevor wrote:
> The Herc-II does not have RS-232 or any DB-25/DB-9 connectors - the
> remote band selection is purely 13.8v applied to the rear band select
> connector as per the manual.
> This switches the internal band select relays just as the front panel
> switch does.
>
> I purchased 5v arduino relay modules and connectors from Mouser to
> build my O-II to Herc II remote cable.
> Trevor AB5EU
>

11324. ORION I DISPLAY PROBLEM

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-01 00:59:00 UTC
From: charles Lewis
Topic: 11324 Message: 11324

The problem with the display on my ORION I is getting to serious. Until fairly recently it became readable after about two minutes. Now it is taking around twenty minutes to become fully readable.
Someone suggested that the problem might be with the back-light. I don't believe that is it because when I turn the rig on the background illumination is immediately as bright as it ever gets, sort of a light gray. The black images begin to gradually fade in after about fifteen minutes.
I have already repaired the small circuit board that provides regulated 5 volts d.c. It was only putting out about 4.3 volts and the rig wouldn't boot.

Any further suggestions?
73,Charles - KY4P

11325. RE: [orion565] ORION I DISPLAY PROBLEM

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-01 01:44:34 UTC
From: John T. Fleming
Topic: 11324 Message: 11325

Charles,

Rebuild the A-9 power board. There should be information on tentecwiki.org. Check this link.

http://tentecwiki.org/doku.php?id=565pwrdistfail
<http://tentecwiki.org/doku.php?id=565pwrdistfail&s%5b%5d=9> &s[]=9

73,

John

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Saturday, April 30, 2016 8:59 PM
To: yahoogroups
Subject: [orion565] ORION I DISPLAY PROBLEM

The problem with the display on my ORION I is getting to serious. Until fairly recently it became readable after about two minutes. Now it is taking around twenty minutes to become fully readable.

Someone suggested that the problem might be with the back-light. I don't believe that is it because when I turn the rig on the background illumination is immediately as bright as it ever gets, sort of a light gray. The black images begin to gradually fade in after about fifteen minutes.

I have already repaired the small circuit board that provides regulated 5 volts d.c. It was only putting out about 4.3 volts and the rig wouldn't boot.

Any further suggestions?

73,

Charles - KY4P

11326. Re: [orion565] ORION I DISPLAY PROBLEM

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-01 09:28:52 UTC
From: ars.f3wt
Topic: 11324 Message: 11326

I have (still) the same problem

1° Display changed into blue one after a thunderstorm hit. Rig still ok , no problems with its superb RX, acoustics and TX QSK etc..
Display takes time to fully be in full state from a sort of one half rays lattice display, but still readable from beginning though.
2° Problem to « kickstart » the rig . Turns on eventually after up to abt 5 trials.
This problem has been signalized already on several occasions here (including myself) and elsewhere.
Despite change of battery and DC - smoothing capacitors (with low ESR ?) by a known repair /dealer in Germany , issues still on.
I must say also that the rig’s LEDs on front panel are very sensitive to any spurious HF being present on the box (if too high a SWR for instance, which he finals do NOT like anyway), blinking on and off (while activating corresponding buttons!!) when cw-ing like a christmas tree when cw-ing . Had this also with another O1.
I wonder if replacing capacitors used by that dealer are really of that low ESR required.
And if they are, whether it suffices . Repeatable issue here, I ‘m afraid to think of!

Any hint from somebody would be welcome!
Thanks in advance.
Pierre,
F3WT

> Le 1 mai 2016 à 02:59, charles Lewis s9ss160m@... [orion565] <orion565@yahoogroups.com> a écrit :
>
>
> The problem with the display on my ORION I is getting to serious. Until fairly recently it became readable after about two minutes. Now it is taking around twenty minutes to become fully readable.
>
> Someone suggested that the problem might be with the back-light. I don't believe that is it because when I turn the rig on the background illumination is immediately as bright as it ever gets, sort of a light gray. The black images begin to gradually fade in after about fifteen minutes.
>
> I have already repaired the small circuit board that provides regulated 5 volts d.c. It was only putting out about 4.3 volts and the rig wouldn't boot.
>
> Any further suggestions?
>
> 73,
> Charles - KY4P
>
>

11327. RE: [orion565] ORION I DISPLAY PROBLEM

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-01 15:21:50 UTC
From: Wes Attaway (N5WA)
Topic: 11324 Message: 11327

It sure sounds like a voltage problem.

I would recommend that you remove the covers and measure the voltage coming off the A9 board. That will give you some info to go on.

If the problem isn□t the A9 board and that voltage is fine immediately after you turn on the radio then I would start looking for low voltage somewhere else.

The problem may be something other than a voltage issue but I would at least start with that.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com <http://www.attawayforensics.com>

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, May 01, 2016 4:29 AM
To: orion565
Subject: Re: [orion565] ORION I DISPLAY PROBLEM

I have (still) the same problem

1° Display changed into blue one after a thunderstorm hit. Rig still ok , no problems with its superb RX, acoustics and TX QSK etc..

Display takes time to fully be in full state from a sort of one half rays lattice display, but still readable from beginning though.

2° Problem to « kickstart » the rig . Turns on eventually after up to abt 5 trials.

This problem has been signalized already on several occasions here (including myself) and elsewhere.

Despite change of battery and DC - smoothing capacitors (with low ESR ?) by a known repair /dealer in Germany , issues still on.

I must say also that the rig□s LEDs on front panel are very sensitive to any spurious HF being present on the box (if too high a SWR for instance, which he finals do NOT like anyway), blinking on and off (while activating corresponding buttons!!) when cw-ing like a christmas tree when cw-ing . Had this also with another O1.

I wonder if replacing capacitors used by that dealer are really of that low ESR required. And if they are, whether it suffices . Repeatable issue here, I □m afraid to think of!

Any hint from somebody would be welcome!

Thanks in advance.

Pierre,

F3WT

Le 1 mai 2016 à 02:59, charles Lewis s9ss160m@... [orion565] <orion565@yahoogroups.com> a écrit :

The problem with the display on my ORION I is getting to serious. Until fairly recently it became readable after about two minutes. Now it is taking around twenty minutes to become fully readable.

Someone suggested that the problem might be with the back-light. I don't believe that is it because when I turn the rig on the background illumination is immediately as bright as it ever gets, sort of a light gray. The black images begin to gradually fade in after about fifteen minutes.

I have already repaired the small circuit board that provides regulated 5 volts d.c. It was only putting out about 4.3 volts and the rig wouldn't boot.

Any further suggestions?

73,

Charles - KY4P

11328. Re: [orion565] ORION I DISPLAY PROBLEM

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-01 16:15:23 UTC
From: Phil Chambley Sr
Topic: 11324 Message: 11328

I agree with Wes. You should first check the 13.8 volts supply inside
the radio, with key up and key down. You could have something like a
faulty power connector on the rear apron, causing a voltage drop under load.

Phil C. Sr.
k4dpk 1955

On 5/1/2016 11:21 AM, 'Wes Attaway (N5WA)' wesattaway@...
[orion565] wrote:
>
> It sure sounds like a voltage problem.
>
> I would recommend that you remove the covers and measure the voltage
> coming off the A9 board. That will give you some info to go on.
>
> If the problem isn?t the A9 board and that voltage is fine immediately
> after you turn on the radio then I would start looking for low voltage
> somewhere else.
>
> The problem may be something other than a voltage issue but I would at
> least start with that.
>
> -------------------
>
> Wes Attaway (N5WA)
>
> (318) 393-3289 - Shreveport, LA
>
> Computer/Cellphone Forensics
>
> AttawayForensics.com <http://www.attawayforensics.com>
>
> -------------------
>
> ---
>
> *From:*orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Sunday, May 01, 2016 4:29 AM
> *To:* orion565
> *Subject:* Re: [orion565] ORION I DISPLAY PROBLEM
>
> I have (still) the same problem
>
> 1? Display changed into blue one after a thunderstorm hit. Rig still
> ok , no problems with its superb RX, acoustics and TX QSK etc..

>
> Display takes time to fully be in full state from a sort of one half
> rays lattice display, but still readable from beginning though.
>
> 2? Problem to ? kickstart ? the rig . Turns on eventually after up to
> abt 5 trials.
>
> This problem has been signalized already on several occasions here (
> including myself) and elsewhere.
>
> Despite change of battery and DC - smoothing capacitors (with low ESR
> ?) by a known repair /dealer in Germany , issues still on.
>
> I must say also that the rig?s LEDs on front panel are very sensitive
> to any spurious HF being present on the box (if too high a SWR for
> instance, which he finals do NOT like anyway), blinking on and off (
> while activating corresponding buttons!!) when cw-ing like a christmas
> tree when cw-ing . Had this also with another O1.
>
> I wonder if replacing capacitors used by that dealer are really of
> that low ESR required. And if they are, whether it suffices .
> Repeatable issue here, I ?m afraid to think of!
>
> Any hint from somebody would be welcome!
>
> Thanks in advance.
>
> Pierre,
>
> F3WT
>
>> Le 1 mai 2016 ? 02:59, charles Lewis s9ss160m@...
>> <mailto:s9ss160m@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> a ?crit :
>>
>> The problem with the display on my ORION I is getting to serious.
>> Until fairly recently it became readable after about two minutes.
>> Now it is taking around twenty minutes to become fully readable.
>>
>> Someone suggested that the problem might be with the back-light. I
>> don't believe that is it because when I turn the rig on the
>> background illumination is immediately as bright as it ever gets,
>> sort of a light gray. The black images begin to gradually fade in
>> after about fifteen minutes.
>>
>> I have already repaired the small circuit board that provides
>> regulated 5 volts d.c. It was only putting out about 4.3 volts and
>> the rig wouldn't boot.
>>
>> Any further suggestions?

>>
>> 73,
>>
>> Charles - KY4P
>>
>

11329. Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-02 15:29:32 UTC
From: andrewis@...
Topic: 11287 Message: 11329

Well I'm no further on with the radio, so will probably be selling for parts.

11331. Re: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-02 17:16:31 UTC
From: amfone
Topic: 11287 Message: 11331

Will TT fix it, the Orion that is or do you just not want to get it fixed?
Tim

On Monday, May 2, 2016 3:30 PM, "andrewis@... [orion565]" <orion565@yahoogroups.com> wrote:

  Well no further on so will probably be selling the radio for parts.

11332. Re: [orion565] Re: Orion 1 no audio or receive..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-02 17:32:38 UTC
From: Barry N1EU
Topic: 11287 Message: 11332

FYI, Andrew is in N Ireland

Barry N1EU

On Mon, May 2, 2016 at 1:16 PM, amfone amfone20000@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Will TT fix it, the Orion that is or do you just not want to get it fixed?
>
> Tim
>
>
> On Monday, May 2, 2016 3:30 PM, "andrewis@... [orion565]" <
> orion565@yahoogroups.com> wrote:
>
>
>
>
> Well no further on so will probably be selling the radio for parts.
>
>
>
>
>

11333. Orion II For Sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-03 22:16:38 UTC
From: psikes@...
Topic: 2599 Message: 11333

Due to an upcoming move and downsizing, my beautiful Ten Tec Orion II is up for sale. This great DX and contesting rig is loaded with filters. The main receiver has a 1.8 kHz, 600 Hz and 300 Hz filter installed. The RX-366 sub-receiver has a 2.4 kHz, 600 Hz and a 300 Hz filter installed. The I.F. output is already prewired to an RCA jack on the back of the rig for pan adapter use. The auxiliary fan is mounted on the heat sink. Included is the model 302 encoder/keypad, Ten Tec microphone by Heil Sound, a SignaLink USB for digital modes and I have the original sub-receiver as well as what is left of the accessory kit and 3 spare encoder grip rings (one black and two orange),original box, manuals including the Firmware version V3, Programmer’s Reference Guide, RX-366 Installation and Operation Manual, Studio One Microphone Specifications and Instructions and assorted reviews and notes regarding use of the rig all in a three ring binder. The only flaw is on the heatsink from a UPS delivery. This is a fully loaded Orion II and one of the best radios around. Pictures available on request.

Asking $2600.00 cash, cashiers check or PayPal plus shipping. Buyer pays PayPal fees. I will deliver or meet within a reasonable distance (100 miles) from zip code 98277.

11334. Orion II AM Carrier Level question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-04 14:15:48 UTC
From: allen3500@...
Topic: 11334 Message: 11334

First of all, please understand that my Orion II functions perfectly in all modes/on all bands.The reason I am asking this question is merely because "I just want to know".

After studying the manual, it is my understanding that the Orion II AM carrier level is automatically set by Orion, and should indicate a maximum output level of approximately 25 watts on an accurate wattmeter.
My Orion II has a consistent maximum AM carrier output of 13/14 watts on all bands, and I find no way to adjust the AM carrier output level via the menu.
My Pegasus AM Carrier output level is easily set to 25 watts (or whatever) via a software menu.
If I understand the Orion II manual correctly, Orion doesn't offer this option.
So, my question boils down to this: Is there an adjustment available in the Orion II that allows the operator to set the AM Carrier Level output, or am I missing something?
Again, I don't perceive this as a problem since I can easily drive my amp to several hundred watts.I'm just trying to more fully understand the workings of my radio.
Thanks and 73,
Jim wb5twc

11335. Re: [orion565] Orion II AM Carrier Level question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-04 14:28:43 UTC
From: Barry N1EU
Topic: 11334 Message: 11335

There is no user setting of carrier level.

73, Barry N1EU

On Wed, May 4, 2016 at 10:15 AM, allen3500@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> First of all, please understand that my Orion II functions perfectly in
> all modes/on all bands.The reason I am asking this question is merely
> because "I just want to know".
>
>
> After studying the manual, it is my understanding that the Orion II AM
> carrier level is automatically set by Orion, and should indicate a maximum
> output level of approximately 25 watts on an accurate wattmeter.
>
> My Orion II has a consistent maximum AM carrier output of 13/14 watts on
> all bands, and I find no way to adjust the AM carrier output level via the
> menu.
>
> My Pegasus AM Carrier output level is easily set to 25 watts (or whatever)
> via a software menu.
>
> If I understand the Orion II manual correctly, Orion doesn't offer this
> option.
>
> So, my question boils down to this: Is there an adjustment available in
> the Orion II that allows the operator to set the AM Carrier Level output,
> or am I missing something?
>
> Again, I don't perceive this as a problem since I can easily drive my amp
> to several hundred watts.I'm just trying to more fully understand the
> workings of my radio.
>
> Thanks and 73,
>
> Jim wb5twc
>
>
>

11336. Re: [orion565] Orion II AM Carrier Level question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-04 14:30:22 UTC
From: denton sprague
Topic: 11334 Message: 11336

my orion 2 wattmeter shows 25-30 watts am carrier, but my plaster shows 15 watts on 80 meters.
as long as you have sufficient drive to the amp, then to me that is all the matters.

> On May 4, 2016, at 7:15 AM, allen3500@bellsouth.net [orion565] <orion565@yahoogroups.com> wrote:
>
>
> First of all, please understand that my Orion II functions perfectly in all modes/on all bands.The reason I am asking this question is merely because "I just want to know".
>
>
>
> After studying the manual, it is my understanding that the Orion II AM carrier level is automatically set by Orion, and should indicate a maximum output level of approximately 25 watts on an accurate wattmeter.
>
> My Orion II has a consistent maximum AM carrier output of 13/14 watts on all bands, and I find no way to adjust the AM carrier output level via the menu.
>
> My Pegasus AM Carrier output level is easily set to 25 watts (or whatever) via a software menu.
>
> If I understand the Orion II manual correctly, Orion doesn't offer this option.
>
> So, my question boils down to this: Is there an adjustment available in the Orion II that allows the operator to set the AM Carrier Level output, or am I missing something?
>
> Again, I don't perceive this as a problem since I can easily drive my amp to several hundred watts.I'm just trying to more fully understand the workings of my radio.
>
> Thanks and 73,
>
> Jim wb5twc
>
>
>

11337. Orion II 566 For sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-04 14:55:01 UTC
From: tarniowy@...
Topic: 11337 Message: 11337

Hi,
I am selling my Orion II 566 with orgiginal auto tuner. Radio is in very good condition.Z1000 buffer for panadapter installed. Radio has 300Hz and 600Hz filters. Remote encoder, cooling fan and isolation conventer for RS232 included.
Caps in A9 board and battery replaced two months ago.
Price is $2000.
I also have panadpater LP-Pan and PC sound card for it ($185).

Arek
AC2FC

11338. Re: Orion II AM Carrier Level question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-04 18:20:37 UTC
From: sunfund@...
Topic: 11334 Message: 11338

Which transmit bandwidth works best on AM?

wb2kjl

11339. Re: [orion565] Re: Orion II AM Carrier Level question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-04 18:53:44 UTC
From: denton sprague
Topic: 11334 Message: 11339

8000…default, and I use 3900hhz (max) on ssb mic tx bandwidth.
I have run both 100 percent max on both power and mic gain…but you have to really watch your parameters so you don’t splatter.
mic is TT 707…so you milage may vary.

> On May 4, 2016, at 11:20 AM, sunfund@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Which transmit bandwidth works best on AM?
>
>
>
> wb2kjl
>
>
>

11340. Re: [orion565] Re: Orion II AM Carrier Level question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-05 10:49:32 UTC
From: sunfund@...
Topic: 11334 Message: 11340

Thanks,

I'm new to the Orion, and have found the menus difficult to navigate, both on transmit and receive.

wb2kjl

11341. Re: Orion II For Sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-05 20:29:12 UTC
From: psikes@...
Topic: 2599 Message: 11341

Wow, I didn't realize how the prices had dropped so much on Orion II's. So, being a realist I am changing my asking price to $2000 plus shipping. Reasonable offers will be considered.

73, Phil N7UX

11342. no receive or button function

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-07 14:18:31 UTC
From: n8fl@...
Topic: 11342 Message: 11342

My Orion has just had an issue.. was on jt65 and after it finished transmitting the receiver went away completely, none of function button or the band stack buttons or any other front panel button would work including the tuner. Done a reset on it, receive came back until I hit the tune button then receive went away again .. after 2 days I powered up the rig again and now it seams to be working fine .
any ideas??

11343. RE: [orion565] no receive or button function

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-07 14:39:14 UTC
From: Bill Sepulveda
Topic: 11342 Message: 11343

Change the Caps in the Power Distribution Board. It’s easy and well worth the effort and your rig will work like new again.

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Saturday, May 07, 2016 9:19 AM
To: orion565@yahoogroups.com
Subject: [orion565] no receive or button function

My Orion has just had an issue.. was on jt65 and after it finished transmitting the receiver went away completely, none of function button or the band stack buttons or any other front panel button would work including the tuner. Done a reset on it, receive came back until I hit the tune button then receive went away again .. after 2 days I powered up the rig again and now it seams to be working fine .

any ideas??

11344. Re: [orion565] no receive or button function

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-07 18:32:16 UTC
From: ragnarpar@...
Topic: 11342 Message: 11344

So
Sounds like I may need to change my caps too.
Any suggestions as to where to acquire the three??? Best instructions? Thots?
73s
W3PAR

> On May 7, 2016, at 10:39, 'Bill Sepulveda' k5ln@... [orion565]
<orion565@yahoogroups.com> wrote:
>
>
>
> Change the Caps in the Power Distribution Board. It’s easy and well worth the effort and your rig will work like new again.
>
>
>
> Tnx,
>
> Bill, K5LN
>
>
>
>
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Saturday, May 07, 2016 9:19 AM
> To: orion565@yahoogroups.com
> Subject: [orion565] no receive or button function
>
>
>
>
>
> My Orion has just had an issue.. was on jt65 and after it finished transmitting the receiver went away completely, none of function button or the band stack buttons or any other front panel button would work including the tuner. Done a reset on it, receive came back until I hit the tune button then receive went away again .. after 2 days I powered up the rig again and now it seams to be working fine .
>
> any ideas??
>
>
>

11345. Re: [orion565] no receive or button function

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-07 19:38:26 UTC
From: Barry N1EU
Topic: 11342 Message: 11345

http://www.tentecwiki.org/doku.php?id=565pwrdistfail

On Sat, May 7, 2016 at 6:32 PM, ragnarpar@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> So
> Sounds like I may need to change my caps too.
> Any suggestions as to where to acquire the three??? Best instructions?
> Thots?
> 73s
> W3PAR
>
> On May 7, 2016, at 10:39, 'Bill Sepulveda' k5ln@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
>
>
>
> Change the Caps in the Power Distribution Board. It’s easy and well worth
> the effort and your rig will work like new again.
>
>
>
> Tnx,
>
> Bill, K5LN
>
>
>
>
>
>
>
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com
> <orion565@yahoogroups.com>]
> *Sent:* Saturday, May 07, 2016 9:19 AM
> *To:* orion565@yahoogroups.com
> *Subject:* [orion565] no receive or button function
>
>
>
>

>
> My Orion has just had an issue.. was on jt65 and after it finished
> transmitting the receiver went away completely, none of function button or
> the band stack buttons or any other front panel button would work including
> the tuner. Done a reset on it, receive came back until I hit the tune
> button then receive went away again .. after 2 days I powered up the
> rig again and now it seams to be working fine .
>
> any ideas??
>
>
>

11346. Re: [orion565] no receive or button function

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-07 14:47:12 UTC
From: Alan
Topic: 11342 Message: 11346

wow that was a fast response and thanks Bill .. where can I get the caps?? ten tec? I thought it may have been the battery... again thanks...
Alan N8FL

From: mailto:orion565@yahoogroups.com
Sent: Saturday, May 07, 2016 10:39 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] no receive or button function

Change the Caps in the Power Distribution Board. It’s easy and well worth the effort and your rig will work like new again.

Tnx,

Bill, K5LN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Saturday, May 07, 2016 9:19 AM
To: orion565@yahoogroups.com
Subject: [orion565] no receive or button function

My Orion has just had an issue.. was on jt65 and after it finished transmitting the receiver went away completely, none of function button or the band stack buttons or any other front panel button would work including the tuner. Done a reset on it, receive came back until I hit the tune button then receive went away again .. after 2 days I powered up the rig again and now it seams to be working fine .

any ideas??

11347. Re: [orion565] no receive or button function

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-08 11:11:29 UTC
From: ragnarpar@...
Topic: 11342 Message: 11347

Wow. Thanks for the detailed info. I used to have a Mouser cat alog years ago.
Ok
When I turn on my O2 it's starts to cycle through but hangs up after getting to the mod and software info. Sometimes if I do a master reset it will cycle all the way. Sometimes it will do a master reset by itself. Anyways I do need new firmware and will order a serial cable with the caps from mouser Monday unless someone thinks these "hang ups" might be something else. I did try another peer supply. Same thing
Thanks again
--... ...--
W3PAR

> On May 7, 2016, at 15:38, Barry N1EU barry.n1eu@... [orion565]
<orion565@yahoogroups.com> wrote:
> http://www.tentecwiki.org/doku.php?id=565pwrdistfail
>
>> On Sat, May 7, 2016 at 6:32 PM, ragnarpar@yahoo.com [orion565]
<orion565@yahoogroups.com> wrote:
>>
>> So
>> Sounds like I may need to change my caps too.
>> Any suggestions as to where to acquire the three??? Best instructions? Thots?
>> 73s
>> W3PAR
>>
>>> On May 7, 2016, at 10:39, 'Bill Sepulveda' k5ln@... [orion565]
<orion565@yahoogroups.com> wrote:
>>>
>>>
>>>
>>>
>>> Change the Caps in the Power Distribution Board. It’s easy and well worth the effort and your rig will work like new again.
>>>
>>>
>>>
>>> Tnx,
>>>
>>> Bill, K5LN
>>>
>>>
>>>
>>>
>>>
>>>
>>>

>>> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
>>> Sent: Saturday, May 07, 2016 9:19 AM
>>> To: orion565@yahoogroups.com
>>> Subject: [orion565] no receive or button function
>>>
>>>
>>>
>>>
>>>
>>> My Orion has just had an issue.. was on jt65 and after it finished transmitting the receiver went away completely, none of function button or the band stack buttons or any other front panel button would work including the tuner. Done a reset on it, receive came back until I hit the tune button then receive went away again .. after 2 days I powered up the rig again and now it seams to be working fine .
>>>
>>> any ideas??
>>>
>
>

11348. Orion II for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-08 14:04:15 UTC
From: Phil Sikes
Topic: 5791 Message: 11348

Radio is sold.

73, Phil

Sent from my iPad

11351. Hercules II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-11 00:09:10 UTC
From: bkemp@...
Topic: 9661 Message: 11351

anyone have some help with adjusting the various controls on the "control board".
Got a HercII putting out about 300 watts is all...no help in the manual!!
Thanks.
Bob

11352. Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-14 12:29:43 UTC
From: mikerosenberg@...
Topic: 11352 Message: 11352

Orion I model 565AT s/n 03C10483.
Automatic antenna tuner
Standards filters + addon filters:
model 218 1.8 KHz
model 217 500 Hz
model 219 250 Hz

Current loaded with version 3.032 of firmware. Version 3 mods performed at the factory - I have documentation from TenTec for the mod.

Also included:
TenTec model 715 RF speech processor in near perfect condition
TenTec model 302 keypad in fair condition
Heil Pro-Set Elite for the Orion in excellent condition
Astron RS35-M power supply - in excellent condition

Asking $1,500 - shipped CONUS, delivery at Dayton or if you are reasonably close to north central Indiana, we can meet.

Thank you,

Mike - N9YB

11353. Re: [orion565] Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-14 15:45:48 UTC
From: C Gessner
Topic: 11352 Message: 11353

GA Mike

I am interested in purchasing the model 302 remote keypad.

I could use one of those for use with my Orion 2.

73 de Chuck W3ON

On 5/14/2016 8:29 AM, mikerosenberg@... [orion565] wrote:
>
> Orion I model 565AT s/n 03C10483.
> Automatic antenna tuner
> Standards filters + addon filters:
> model 218 1.8 KHz
> model 217 500 Hz
> model 219 250 Hz
>
>
> Current loaded with version 3.032 of firmware. Version 3 mods
> performed at the factory - I have documentation from TenTec for the mod.
>
> Also included:
> TenTec model 715 RF speech processor in near perfect condition
> TenTec model 302 keypad in fair condition
> Heil Pro-Set Elite for the Orion in excellent condition
> Astron RS35-M power supply - in excellent condition
>
>
> Asking $1,500 - shipped CONUS, delivery at Dayton or if you are
> reasonably close to north central Indiana, we can meet.
>
>
> Thank you,
>
>
> Mike - N9YB
>
>
>

11354. ForSale: Icom IC-7800/Flex 6300/Elecraft K3 & P3..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-16 12:18:04 UTC
From: larry_rj73@...
Topic: 11354 Message: 11354

Entire station forsale
ka3mtt (at) gmail (dot) com

Icom IC-7800 ... $3,800.00
IC-756 Pro III $1,200,
Kenwood TS 990 ... $4,300

Elecraft K3 w/ P-3 ..... $2,350
Flex 6300 ..... $1,550
Yaesu FTdx 5000 .... $2,500
Icom PW1: $1,700
]
Here is my email .: ka3mtt@gmail.com
KY 41005

Nathan R Ciufo
KA3MTT
73

11355. Re: [orion565] Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-16 19:03:47 UTC
From: mikerosenberg@...
Topic: 11352 Message: 11355

I sent you an e-mail to the account you have listed over at QRZ.com.

73s

Mike
N9YB

11356. Re: [orion565] Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-16 20:15:45 UTC
From: mcelmer1
Topic: 11352 Message: 11356

Mike,

Never received the mail. Could you try again?: mcelmer1@...

Mike
W8TRN
----- Original Message -----
From: mikerosenberg@ameritech.net [orion565]
To: orion565@yahoogroups.com
Sent: Monday, May 16, 2016 13:03
Subject: Re: [orion565] Full Orion 565AT station for sale

I sent you an e-mail to the account you have listed over at QRZ.com.

73s

Mike
N9YB

11357. Re: [orion565] ForSale: Icom IC-7800/Flex 6300/Elecraft K3 & P3..

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-16 20:17:40 UTC
From: Jim Warner
Topic: 11354 Message: 11357

scam alert

On 5/16/2016 7:18 AM, larry_rj73@... [orion565] wrote:
>
>
> Entire station forsale
> ka3mtt (at) gmail (dot) com
>
> Icom IC-7800 ... $3,800.00
> IC-756 Pro III $1,200,
> Kenwood TS 990 ... $4,300
>
> Elecraft K3 w/ P-3 ..... $2,350
> Flex 6300 ..... $1,550
> Yaesu FTdx 5000 .... $2,500
> Icom PW1: $1,700
>]
> Here is my email .: ka3mtt@...
> KY 41005
>
> Nathan R Ciufo
> KA3MTT
> 73
>
>
>

11358. Re: [orion565] Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-16 22:22:06 UTC
From: amfone
Topic: 11352 Message: 11358

Still not getting it but received this.
I've heard TT is not even fixing the Orion now so basically it is not worth much. Too bad it is a good rig.
Tim

On Monday, May 16, 2016 8:16 PM, "'mcelmer1' mcelmer1@... [orion565]" <orion565@yahoogroups.com> wrote:

☐Mike, Never received the mail. Could you try again?: mcelmer1@netecin.net MikeW8TRN
----- Original Message ----- From: mikerosenberg@ameritech.net [orion565] To: orion565@yahoogroups.com Sent: Monday, May 16, 2016 13:03 Subject: Re: [orion565] Full Orion 565AT station for sale
I sent you an e-mail to the account you have listed over at QRZ.com.
73s
Mike N9YB

11359. Re: [orion565] Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-16 22:28:11 UTC
From: Jerry Rogers
Topic: 11352 Message: 11359

Who did you hear that from. I own an Orion II, and was on the phone about a month ago. I asked that question and was told they do still work on them.
Maybe they were telling me only the Orion II.

Jerry, ki4ps

> On May 16, 2016, at 6:22 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Still not getting it but received this.
>
> I've heard TT is not even fixing the Orion now so basically it is not worth much. Too bad it is a good rig.
>
> Tim
>
>
> On Monday, May 16, 2016 8:16 PM, "'mcelmer1' mcelmer1@... <mailto:mcelmer1@...> [orion565]" <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
>
> □
> Mike,
>
> Never received the mail. Could you try again?: mcelmer1@... <mailto:mcelmer1@...>
>
> Mike
> W8TRN
> ----- Original Message -----
> From: mikerosenberg@... [orion565] <mailto:mikerosenberg@...%20[orion565]>
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Sent: Monday, May 16, 2016 13:03
> Subject: Re: [orion565] Full Orion 565AT station for sale
>
>
> I sent you an e-mail to the account you have listed over at QRZ.com <http://qrz.com/>.
>
> 73s
>
> Mike
> N9YB
>
>
>
>

11360. Re: [orion565] Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-16 22:33:15 UTC
From: amfone
Topic: 11352 Message: 11360

Maybe I've been told that some of the critical components are not available this was from TT 6 months ago, what did you hear? They will not accept phone call according to their website as of right now. The last I heard and this is from the rumor mill is that the new owner needs $400,000 in venture capitol to get TT up and running again.

Tim

On Monday, May 16, 2016 10:28 PM, "Jerry Rogers ki4ps@... [orion565]" <orion565@yahoogroups.com> wrote:

Who did you hear that from. I own an Orion II, and was on the phone about a month ago. I asked that question and was told they do still work on them.Maybe they were telling me only the Orion II.
Jerry, ki4ps

On May 16, 2016, at 6:22 PM, amfone amfone20000@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:

Still not getting it but received this.
I've heard TT is not even fixing the Orion now so basically it is not worth much. Too bad it is a good rig.
Tim

On Monday, May 16, 2016 8:16 PM, "'mcelmer1' mcelmer1@... [orion565]" <orion565@yahoogroups.com> wrote:

☐Mike, Never received the mail. Could you try again?: mcelmer1@... MikeW8TRN
----- Original Message ----- From: mikerosenberg@... [orion565]To: orion565@yahoogroups.comSent: Monday, May 16, 2016 13:03Subject: Re: [orion565] Full Orion 565AT station for sale
I sent you an e-mail to the account you have listed over at QRZ.com.
73s
MikeN9YB

11361. Re: [orion565] Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-16 22:47:40 UTC
From: Jerry Rogers
Topic: 11352 Message: 11361

When I was on the phone ordering a cooling fan for my centurion, I asked the technician where I stood with my Orion II. He said they still worked on them. Now I know they stopped producing the radio due to lack of critical components. But that does not mean they are incapable of working on them. However, they just might tell someone NO.

Jerry, ki4ps

> On May 16, 2016, at 6:33 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Maybe I've been told that some of the critical components are not available this was from TT 6 months ago, what did you hear? They will not accept phone call according to their website as of right now. The last I heard and this is from the rumor mill is that the new owner needs $400,000 in venture capitol to get TT up and running again.
>
> Tim
>
>
> On Monday, May 16, 2016 10:28 PM, "Jerry Rogers ki4ps@... <mailto:ki4ps@...> [orion565]" <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
>
> Who did you hear that from. I own an Orion II, and was on the phone about a month ago. I asked that question and was told they do still work on them.
> Maybe they were telling me only the Orion II.
>
> Jerry, ki4ps
>
>
>> On May 16, 2016, at 6:22 PM, amfone amfone20000@... <mailto:amfone20000@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>>
>>
>> Still not getting it but received this.
>>
>> I've heard TT is not even fixing the Orion now so basically it is not worth much. Too bad it is a good rig.
>>
>> Tim
>>
>>
>> On Monday, May 16, 2016 8:16 PM, "'mcelmer1' mcelmer1@netecin.net <mailto:mcelmer1@...> [orion565]" <orion565@...m <mailto:orion565@yahoogroups.com>> wrote:
>>
>>
>>

>> □
>> Mike,
>>
>> Never received the mail. Could you try again?: mcelmer1@netecin.net <mailto:mcelmer1@...>
>>
>> Mike
>> W8TRN
>> ----- Original Message -----
>> From: mikerosenberg@... [orion565] <mailto:mikerosenberg@...%20[orion565]>
>> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>> Sent: Monday, May 16, 2016 13:03
>> Subject: Re: [orion565] Full Orion 565AT station for sale
>>
>>
>> I sent you an e-mail to the account you have listed over at QRZ.com <http://qrz.com/>.
>>
>> 73s
>>
>> Mike
>> N9YB
>>
>>
>>
>
>
>
>
>

11362. Re: [orion565] Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-16 22:52:11 UTC
From: C Gessner
Topic: 11352 Message: 11362

Hmm

I had read on one of the contesting email lists that folks have been reporting that TenTec is still repairing the Orion 2 since late January. Their reps are scheduled to be at the Dayton Hamvention this weekend representing the three companies including Dishtronix and TenTec. Maybe some of you who are attending the Dayton Hamvention will stop by their booths and ask them.

73 de Chuck W3ON

On 5/16/2016 6:33 PM, amfone amfone20000@... [orion565] wrote:
> Maybe I've been told that some of the critical components are not
> available this was from TT 6 months ago, what did you hear? They will
> not accept phone call according to their website as of right now. The
> last I heard and this is from the rumor mill is that the new owner
> needs $400,000 in venture capitol to get TT up and running again.
>
> Tim
>
>
> On Monday, May 16, 2016 10:28 PM, "Jerry Rogers ki4ps@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
> Who did you hear that from. I own an Orion II, and was on the phone
> about a month ago. I asked that question and was told they do still
> work on them.
> Maybe they were telling me only the Orion II.
>
> Jerry, ki4ps
>
>
>> On May 16, 2016, at 6:22 PM, amfone amfone20000@...
>> <mailto:amfone20000@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
>>
>>
>> Still not getting it but received this.
>>
>> I've heard TT is not even fixing the Orion now so basically it is not
>> worth much. Too bad it is a good rig.
>>
>> Tim
>>

>>
>> On Monday, May 16, 2016 8:16 PM, "'mcelmer1'mcelmer1@...
>> <mailto:mcelmer1@...>[orion565]" <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
>>
>>
>> □
>> Mike,
>> Never received the mail. Could you try again?: mcelmer1@...
>> <mailto:mcelmer1@...>
>> Mike
>> W8TRN
>>
>> ----- Original Message -----
>> *From:*mikerosenberg@... [orion565]
>> <mailto:mikerosenberg@...%20[orion565]>
>> *To:*orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>> *Sent:*Monday, May 16, 2016 13:03
>> *Subject:*Re: [orion565] Full Orion 565AT station for sale
>>
>> I sent you an e-mail to the account you have listed over
>> atQRZ.com <http://qrz.com/>.
>>
>> 73s
>>
>> Mike
>> N9YB
>>
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>

11363. Re: [orion565] Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-16 22:58:06 UTC
From: amfone
Topic: 11352 Message: 11363

Yeah I know Jerry and really too bad one of the best rigs ever made. However with their problems at TT and with propitiatory parts it has to be expected.

Are there any competent third party repair sites for the Orion?
Tim

On Monday, May 16, 2016 10:52 PM, "C Gessner w3on@... [orion565]" <orion565@yahoogroups.com> wrote:

Hmm I had read on one of the contesting email lists that folks have been reporting that TenTec is still repairing the Orion 2 since late January. Their reps are scheduled to be at the Dayton Hamvention this weekend representing the three companies including Dishtronix and TenTec. Maybe some of you who are attending the Dayton Hamvention will stop by their booths and ask them.
73 de Chuck W3ON

On 5/16/2016 6:33 PM, amfone amfone20000@... [orion565] wrote:

Maybe I've been told that some of the critical components are not available this was from TT 6 months ago, what did you hear? They will not accept phone call according to their website as of right now. The last I heard and this is from the rumor mill is that the new owner needs $400,000 in venture capitol to get TT up and running again.

Tim

On Monday, May 16, 2016 10:28 PM, "Jerry Rogers ki4ps@... [orion565]" <orion565@yahoogroups.com> wrote:

Who did you hear that from. I own an Orion II, and was on the phone about a month ago. I asked that question and was told they do still work on them. Maybe they were telling me only the Orion II.
Jerry, ki4ps

On May 16, 2016, at 6:22 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

Still not getting it but received this.
I've heard TT is not even fixing the Orion now so basically it is not worth much. Too bad it is a good rig.
Tim

On Monday, May 16, 2016 8:16 PM, "'mcelmer1' mcelmer1@... [orion565]" <orion565@yahoogroups.com> wrote:

☐ Mike, Never received the mail. Could you try again?: mcelmer1@... Mike W8TRN
----- Original Message ----- From: mikerosenberg@ameritech.net [orion565] To: orion565@yahoogroups.com
Sent: Monday, May 16, 2016 13:03 Subject: Re: [orion565] Full Orion 565AT station for sale
I sent you an e-mail to the account you have listed over at QRZ.com.

73s
Mike N9YB

11364. Re: [orion565] Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-16 23:06:19 UTC
From: Jerry Rogers
Topic: 11352 Message: 11364

Have not looked into that. Maybe I need too.

Jerry, ki4ps

> On May 16, 2016, at 6:58 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Yeah I know Jerry and really too bad one of the best rigs ever made. However with their problems at TT and with propitiatory parts it has to be expected.
>
> Are there any competent third party repair sites for the Orion?
>
> Tim
>
>
> On Monday, May 16, 2016 10:52 PM, "C Gessner w3on@... <mailto:w3on@...> [orion565]" <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
>
> Hmm
> I had read on one of the contesting email lists that folks have been reporting that TenTec is still repairing the Orion 2 since late January. Their reps are scheduled to be at the Dayton Hamvention this weekend representing the three companies including Dishtronix and TenTec. Maybe some of you who are attending the Dayton Hamvention will stop by their booths and ask them.
> 73 de Chuck W3ON
>
>
> On 5/16/2016 6:33 PM, amfone amfone20000@yahoo.com <mailto:amfone20000@...> [orion565] wrote:
>>
>> Maybe I've been told that some of the critical components are not available this was from TT 6 months ago, what did you hear? They will not accept phone call according to their website as of right now. The last I heard and this is from the rumor mill is that the new owner needs $400,000 in venture capitol to get TT up and running again.
>>
>> Tim
>>
>>
>> On Monday, May 16, 2016 10:28 PM, "Jerry Rogers ki4ps@... <mailto:ki4ps@...> [orion565]" <orion565@yahoogroups.com> <mailto:orion565@yahoogroups.com> wrote:
>>
>>
>>
>> Who did you hear that from. I own an Orion II, and was on the phone about a month ago. I asked that question and was told they do still work on them.

>> Maybe they were telling me only the Orion II.
>>
>> Jerry, ki4ps
>>
>>
>>> On May 16, 2016, at 6:22 PM, amfone <mailto:amfone20000@yahoo.com>amfone20000@...
<mailto:amfone20000@...> [orion565] < <mailto:orion565@yahoogroups.com>orion565@yahoogroups.com
<mailto:orion565@yahoogroups.com>> wrote:
>>>
>>>
>>> Still not getting it but received this.
>>>
>>> I've heard TT is not even fixing the Orion now so basically it is not worth much. Too bad it is a good rig.
>>>
>>> Tim
>>>
>>>
>>> On Monday, May 16, 2016 8:16 PM, "'mcelmer1' <mailto:mcelmer1@...>mcelmer1@... <mailto:mcelmer1@...>
[orion565]" < <mailto:orion565@yahoogroups.com>orion565@yahoogroups.com
<mailto:orion565@yahoogroups.com>> wrote:
>>>
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>>> □
>>> Mike,
>>>
>>> Never received the mail. Could you try again?: <mailto:mcelmer1@...>mcelmer1@... <mailto:mcelmer1@...>
>>>
>>> Mike
>>> W8TRN
>>> ----- Original Message -----
>>> From: <mailto:mikerosenberg@...%20[orion565]>mikerosenberg@... <mailto:mikerosenberg@...> [orion565]
>>> To: <mailto:orion565@yahoogroups.com>orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>>> Sent: Monday, May 16, 2016 13:03
>>> Subject: Re: [orion565] Full Orion 565AT station for sale
>>>
>>>
>>> I sent you an e-mail to the account you have listed over at QRZ.com <http://qrz.com/>.
>>>
>>> 73s
>>>
>>> Mike
>>> N9YB
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11365. hooking up Orion to Herc II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-17 00:49:59 UTC
From: bkemp@...
Topic: 11365 Message: 11365

Got some issues with a HercII hooking it up to my Orion II.
Might be some power supply issues. Anyone have a picture of the 9420 Power Supply control board?
Need to know how T5 is connected to that J5.
Looks like someone stuck a non-stock fuse in line somehow....need to revert back to the original
circuitry. A nice clear photo of the control board would sure help.
Thanks.

11366. Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-19 22:57:04 UTC
From: Mike Schatzberg
Topic: 11366 Message: 11366

Hello Orion II Fans:

My normally reliable O2, sometimes returns from transmit to receive with a lower sensitivity. Switching back to transmit, and again to receive, the normal sensitivity returns.

It appears as if I have a dirty contact on a relay, and have to exercise it for better contact.

Looking at the schematics, I see there is a reed relay, K6, which appears to perhaps be the most likely candidate to be at fault. This relay is on the A1 board, the low pass filter board.

Before I take everything apart, and start looking (there are no pictorials for component placement information), has anyone had a similar problem with their O2? Any information as to board location, and degree of difficulty in removing this relay, if indeed it was your issue, would be appreciated.

I guess since this radio is circa 2006, and I use QSK switching, and always use VOX, I can’t be too surprised that this high speed relay might need replacement by now.

Thank you for any possible input.

73,

Mike
W2AJI

11367. Re: Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-20 08:19:50 UTC
From: pa1ap@...
Topic: 11366 Message: 11367

Hi,

Perhaps the relais is indeed not working well anymore. Long time ago I wrote serial controller check program which included relay fitness function :-) In essence cycle many times the relay. Perhaps you can write a small function to do just that before replacing relais and such like. Best regards, Onno pa1ap

11368. Re: Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-21 14:47:53 UTC
From: wb2rhm@...
Topic: 11366 Message: 11368

I have a 565, and it is connected to an Ameritron ALS-1300. Don't know if you go direct to antenna or through an amp. Twice in ten years, I had the exact symptoms. They signal would perk back up by tapping the TUNE button also. Turned out to be the T/R relay in the ALS-1300, not my 565. If I was working 'barefoot', and only passing 565 signals through the amp, and the amp t/r was in the 'lots of loss' mode, tapping TUNE would do nothing and I would just think it was a bad day on the bands hi hi.

73,
Ben - WB2RHM

11369. Re: [orion565] Re: Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-21 15:11:13 UTC
From: Mike Schatzberg
Topic: 11366 Message: 11369

Thanks Ben,

Seems to be in the radio. The amp works fine with my FTdx 5000, no problems.

I will see if Ten Tec has the K6 relay in stock. I'll try them on Monday when they return from Dayton.

Tnx and 73,

Mike
W2AJI

Sent from my iPhone

> On May 21, 2016, at 10:47 AM, wb2rhm@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> I have a 565, and it is connected to an Ameritron ALS-1300. Don't know if you go direct to antenna or through an amp. Twice in ten years, I had the exact symptoms. They signal would perk back up by tapping the TUNE button also. Turned out to be the T/R relay in the ALS-1300, not my 565. If I was working 'barefoot', and only passing 565 signals through the amp, and the amp t/r was in the 'lots of loss' mode, tapping TUNE would do nothing and I would just think it was a bad day on the bands hi hi.
>
> 73,
> Ben - WB2RHM
>
>

11370. Re: [orion565] Re: Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-21 17:28:37 UTC
From: Barry N1EU
Topic: 11366 Message: 11370

Mike, if you find out the make and part no. of the relay, please let us know and I'll add it to the wiki.

Thanks & 73,
Barry N1EU

On Sat, May 21, 2016 at 3:11 PM, Mike Schatzberg cherokeehillfarm@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Thanks Ben,
>
> Seems to be in the radio. The amp works fine with my FTdx 5000, no problems.
>
> I will see if Ten Tec has the K6 relay in stock. I'll try them on Monday when they return from Dayton.
>
> Tnx and 73,
>
> Mike
> W2AJI
>
> Sent from my iPhone
>
> On May 21, 2016, at 10:47 AM, wb2rhm@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I have a 565, and it is connected to an Ameritron ALS-1300. Don't know if you go direct to antenna or through an amp. Twice in ten years, I had the exact symptoms. They signal would perk back up by tapping the TUNE button also. Turned out to be the T/R relay in the ALS-1300, not my 565. If I was working 'barefoot', and only passing 565 signals through the amp, and the amp t/r was in the 'lots of loss' mode, tapping TUNE would do nothing and I would just think it was a bad day on the bands hi hi.
>
> 73,
> Ben - WB2RHM
>
>
>

11371. Re: [orion565] Re: Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-21 17:37:30 UTC
From: Mike Schatzberg
Topic: 11366 Message: 11371

Sure thing Barry. This will become one of those eventual failures on the O2.

I have a similar problem on my Herc II now. I have not yet determined if it is the input reed relay or the output vacuum relay.

73,

Mike
W2AJI

Sent from my iPhone

> On May 21, 2016, at 1:28 PM, Barry N1EU barry.n1eu@gmail.com [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Mike, if you find out the make and part no. of the relay, please let us know and I'll add it to the wiki.
>
> Thanks & 73,
> Barry N1EU
>
>> On Sat, May 21, 2016 at 3:11 PM, Mike Schatzberg cherokeehillfarm@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>> Thanks Ben,
>>
>> Seems to be in the radio. The amp works fine with my FTdx 5000, no problems.
>>
>> I will see if Ten Tec has the K6 relay in stock. I'll try them on Monday when they return from Dayton.
>>
>> Tnx and 73,
>>
>> Mike
>> W2AJI
>>
>> Sent from my iPhone
>>
>>> On May 21, 2016, at 10:47 AM, wb2rhm@... [orion565] <orion565@yahoogroups.com> wrote:
>>>
>>> I have a 565, and it is connected to an Ameritron ALS-1300. Don't know if you go direct to antenna or through an amp. Twice in ten years, I had the exact symptoms. They signal would perk back up by tapping the TUNE button also. Turned out to be the T/R relay in the

ALS-1300, not my 565. If I was working 'barefoot', and only passing 565 signals through the amp, and the amp t/r was in the 'lots of loss' mode, tapping TUNE would do nothing and I would just think it was a bad day on the bands hi hi.
>>>
>>> 73,
>>> Ben - WB2RHM
>>
>
>
>
>

11372. Orion 566 CR 2025 battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-21 18:13:17 UTC
From: Mike Schatzberg
Topic: 11372 Message: 11372

While I am waiting for parts to do some 10 year maintenance on my O2, I noticed on the reflector mention of a second battery, a CR 2025, found in plain sight on the bottom of the radio.

While I have the radio apart, I will go ahead and change this battery also. Oddly, I never saw mention of this battery before here.

The Snap Hat battery is often discussed here. It is for memory retention apparently. What is the purpose of the CR 2025?

Tnx and 73,

Mike
W2AJI

Sent from my iPhone

11373. Re: [orion565] Orion 566 CR 2025 battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-21 18:49:09 UTC
From: Mike Pagel
Topic: 11372 Message: 11373

Hi Mike,

I'm fairly sure that this one is for the tuner. Not sure what its purpose is, given the lack of memory in the tuner.

Barry?

73, de Mike, K9UW
Amherst, WI

------ Original Message ------
From: "Mike Schatzberg cherokeehillfarm@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: 5/21/2016 1:13:17 PM
Subject: [orion565] Orion 566 CR 2025 battery replacement

>
>While I am waiting for parts to do some 10 year maintenance on my O2, I
>noticed on the reflector mention of a second battery, a CR 2025, found
>in plain sight on the bottom of the radio.
>
>While I have the radio apart, I will go ahead and change this battery
>also. Oddly, I never saw mention of this battery before here.
>
>The Snap Hat battery is often discussed here. It is for memory
>retention apparently. What is the purpose of the CR 2025?
>
>Tnx and 73,
>
>Mike
>W2AJI
>
>Sent from my iPhone
>
>

11374. Re: [orion565] Orion 566 CR 2025 battery replacement

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-21 19:40:33 UTC
From: Barry N1EU
Topic: 11372 Message: 11374

Yes, tuner. The topic came up about a year or so ago and that's when I learned of it. I've owned many 565 and 566's but never an AT.

73, Barry N1EU

On Sat, May 21, 2016 at 6:49 PM, 'Mike Pagel' k9uw@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi Mike,
>
> I'm fairly sure that this one is for the tuner. Not sure what its purpose
> is, given the lack of memory in the tuner.
>
> Barry?
>
> 73, de Mike, K9UW
> Amherst, WI
>
> ------ Original Message ------
> From: "Mike Schatzberg cherokeehillfarm@earthlink.net [orion565]" <
> orion565@yahoogroups.com>
> To: orion565@yahoogroups.com
> Sent: 5/21/2016 1:13:17 PM
> Subject: [orion565] Orion 566 CR 2025 battery replacement
>
>
>
>
>
> While I am waiting for parts to do some 10 year maintenance on my O2, I
> noticed on the reflector mention of a second battery, a CR 2025, found in
> plain sight on the bottom of the radio.
>
> While I have the radio apart, I will go ahead and change this battery
> also. Oddly, I never saw mention of this battery before here.
>
> The Snap Hat battery is often discussed here. It is for memory retention
> apparently. What is the purpose of the CR 2025?
>
> Tnx and 73,
>
> Mike
> W2AJI
>
> Sent from my iPhone

>
>
>

11375. Re: [orion565] Re: Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-22 14:57:35 UTC
From: wb2rhm@...
Topic: 11366 Message: 11375

Barry,

The 565 T/R reed relay is Described on my Ten-Tec Invoice as item # 32049. They were $15.00 + Shipping.

The replacement Relay is labeled: USRelays and Technology Model# B1A05Y400DIC There was also an 0747 stamped on it, but that looked like a production or date code.

http://www.reed-relays.com/ http://www.reed-relays.com/

See also:
lists.contesting.com/_tentec/2009-06/msg00143.html

lists.contesting.com/_tentec/2005-02/msg00266.html

73,

Ben WB2RHM

11376. Re: Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-22 15:12:45 UTC
From: wb2rhm@...
Topic: 11366 Message: 11376

Barry,

FWIW..... searching on the part number in internet Ten-Tec postings show it mentioned as used in some OMNI series, Jupiters, Paragons, Orions.

Most interesting comment excerpt:
".....I contacted the relay supplier USRelays and asked if they made a quieter version with same ratings but they said no - and it was like pulling teeth to even get them to admit they made the relay for TT ! Its a B1A05Y400DIC series 10 www.reed-relays.com/836422.html . B = Black Beauty , 1A = SPST , 05 = voltage , Y= lead/coil config , 400 = coil resistance. ..."

73
Ben WB2RHM

11377. Re: [orion565] Re: Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-22 16:25:15 UTC
From: Barry N1EU
Topic: 11366 Message: 11377

Looks like unobtanium except from Ten-Tec (maybe). If necessary, a replacement could probably be wired in dead-bug style since it's unlikely a pin-compatible replacement exists anywhere.

73, Barry N1EU

On Sun, May 22, 2016 at 3:12 PM, wb2rhm@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Barry,
>
> FWIW..... searching on the part number in internet Ten-Tec postings show
> it mentioned as used in some OMNI series, Jupiters, Paragons, Orions.
>
> Most interesting comment excerpt:
> ".....I contacted the relay supplier USRelays and asked if they made a
> quieter version with same ratings but they said no - and it was like
> pulling teeth to even get them to admit they made the relay for TT ! Its a
> B1A05Y400DIC series 10 www.reed-relays.com/836422.html . B = Black Beauty
> , 1A = SPST , 05 = voltage , Y= lead/coil config , 400 = coil resistance.
> ..."
>
> 73
> Ben WB2RHM
>
>

11378. Re: [orion565] Re: Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-22 16:35:40 UTC
From: Mike Schatzberg
Topic: 11366 Message: 11378

Hi Ben,

This relay is spec'd for 200VDC, and 1 AMP. So you would expect 200 Watts DC.

But the contacts are rated for only 20 Watts, what with the higher voltages which can be present with RF. Most RF switching relays have ratings for their contacts at some specific frequency. Perhaps the 20 watt rating is at 400 MHz and the rating at 14 MHz is considerably higher, hopefully above 100 watts, but certainly below the 200 Watt DC rating.

If this is not understood, it is difficult to spec this part.

I'll call Ten Tec Monday and see if they have the same part number for K6.

Tnx and 73,

Mike
W2AJI

Sent from my iPhone

> On May 22, 2016, at 11:12 AM, wb2rhm@wb2rhm.com [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Barry,
>
> FWIW..... searching on the part number in internet Ten-Tec postings show it mentioned as used in some OMNI series, Jupiters, Paragons, Orions.
>
> Most interesting comment excerpt:
> ".....I contacted the relay supplier USRelays and asked if they made a quieter version with same ratings but they said no - and it was like pulling teeth to even get them to admit they made the relay for TT ! Its a B1A05Y400DIC series 10 www.reed-relays.com/836422.html . B = Black Beauty , 1A = SPST , 05 = voltage , Y= lead/coil config , 400 = coil resistance. ..."
>
> 73
> Ben WB2RHM
>
>

11379. Re: [orion565] Re: Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-22 17:41:01 UTC
From: ve7tk@...
Topic: 11366 Message: 11379

I'm using a Herc II with my Orion 565. I too have a similar problem. The receiver sensitivity dies and a tap of the foot switch and it's back.

Unlike what has been reported in this thread I ALSO can, on occasion, duplicate this symptom by just turning OFF the Herc II. Again a tap of the foot switch brings the 565 back?

I'm leaning toward the Herc being my problem. The Herc's vacuum relay is new so I'm looking at the input relay.

73, Rick
VE7TK

11380. Re: [orion565] Re: Intermittent loss of sensitivity on Orion 566 upon PTT switching

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-22 17:59:17 UTC
From: Mike Schatzberg
Topic: 11366 Message: 11380

If turning off the Herc II and tapping your footswitch brings back the receiver, it sounds like the Orion reed relay.

Take the Herc II out of the circuit altogether and see if you still have the problem.

If you do, you have the answer.

73,

Mike
W2AJI

Sent from my iPhone

> On May 22, 2016, at 1:41 PM, ve7tk@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> I'm using a Herc II with my Orion 565. I too have a similar problem. The receiver sensitivity dies and a tap of the foot switch and it's back.
>
> Unlike what has been reported in this thread I ALSO can, on occasion, duplicate this symptom by just turning OFF the Herc II. Again a tap of the foot switch brings the 565 back?
>
> I'm leaning toward the Herc being my problem. The Herc's vacuum relay is new so I'm looking at the input relay.
>
> 73, Rick
> VE7TK
>
>
>

11381. Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-22 19:51:05 UTC
From: wb2rhm@...
Topic: 11381 Message: 11381

Heard on the on a different Ten-Tec related forum:

RE: Dishtronixs/Ten-Tec service and PARTS
Support

Support & Service

Welcome to the Dishtronix support page. We are committed to providing our customers with the best possible support. An essential component of good support is a comprehensive knowledge base that our customers can access at all times. That?s what this section of our site provides.

Dishtronix provides support for Alpha Amplifiers (formerly Alpha Radio Products) and TEN-TEC equipment, produced in the last 10 years. We repair and stock parts for products* in the list below.

Supported Products

Alpha 9500
Alpha 9510
Alpha 8410
Alpha 8406
Alpha 45XX
Alpha 2100
Alpha 2000
TEN-TEC 588 Omni VII
TEN-TEC 599 Eagle
TEN-TEC 539
TEN-TEC RX-340
TEN-TEC 318
TEN-TEC 418
TEN-TEC 422B Centurion

On the condition that the parts and expertise are available Dishtronix will repair equipment that doesn?t appear on this list. Please contact us, HERE, to see if we?re in a position to repair older and legacy equipment.
Older and legacy products often require hard to obtain parts or out of production assemblies. We provide schematics and bills-of-material for all of our legacay equipment, unfortunately we?re not in a position to order or produce legacy parts. If the part is in inventory (sometimes it?s not) we?ll be more than happy to sell it to you.
****

The part about supplying a BOM - for legacy ie 565/566 parts on boards, this might make second-sourcing possible for unobtainable parts in the Dishtronix locker.

73,
Ben - WB2RHM

11382. Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-22 23:37:58 UTC
From: amfone
Topic: 11381 Message: 11382

Ben
Thanks for the information. You noted TT will offer repair for the Centurion 422B, my Centurion is a 422 or so it states on the back, is there any difference?
Thanks 73TimWB8UHZ

On Sunday, May 22, 2016 7:51 PM, "wb2rhm@... [orion565]" <orion565@yahoogroups.com> wrote:

Heard on the on a different Ten-Tec related forum:

RE: Dishtronixs/Ten-Tec service and PARTS
Support
Support & Service
Welcome to the Dishtronix support page. We are committed to providing our customers with the best possible support. An essential component of good support is a comprehensive knowledge base that our customers can access at all times. That?s what this section of our site provides.
Dishtronix provides support for Alpha Amplifiers (formerly Alpha Radio Products) and TEN-TEC equipment, produced in the last 10 years. We repair and stock parts for products* in the list below.
Supported Products
Alpha 9500Alpha 9510Alpha 8410Alpha 8406Alpha 45XXAlpha 2100Alpha 2000TEN-TEC 588 Omni VIITEN-TEC 599 EagleTEN-TEC 539TEN-TEC RX-340TEN-TEC 318TEN-TEC 418TEN-TEC 422B Centurion

On the condition that the parts and expertise are available Dishtronix will repair equipment that doesn?t appear on this list. Please contact us, HERE, to see if we?re in a position to repair older and legacy equipment.Older and legacy products often require hard to obtain parts or out of production assemblies. We provide schematics and bills-of-material for all of our legacay equipment, unfortunately we?re not in a position to order or produce legacy parts. If the part is in inventory (sometimes it?s not) we?ll be more than happy to sell it to you.**********

The part about supplying a BOM - for legacy ie 565/566 parts on boards, this might make second-sourcing possible for unobtainable parts in the Dishtronix locker.

73,
Ben - WB2RHM

11383. Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-23 13:26:01 UTC
From: wb2rhm@...
Topic: 11381 Message: 11383

Tim,

I'm not sure, but they seem to have an upbeat attitude about all this, I suggest a quick phone call to ask.

73,
Ben WB2RHM

11384. Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-23 15:37:04 UTC
From: amfone
Topic: 11381 Message: 11384

Thanks Ben
Yes I spoke with them at the booth too, looks promising.
73 TimWB8UHZ

On Monday, May 23, 2016 1:26 PM, "wb2rhm@... [orion565]" <orion565@yahoogroups.com> wrote:

Tim,

I'm not sure, but they seem to have an upbeat attitude about all this, I suggest a quick phone call to ask.

73,
Ben WB2RHM

11385. RE: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-23 17:15:14 UTC
From: Wayne Bethoney
Topic: 11381 Message: 11385

What bothers me however is the fact that phone support is gone. You get support from everyone else in the business. Maybe they need to have a couple of people to man the phones for support only. They need not be from the repair dept. A live body is VERY IMPORTANT to Hams in need of assistance. I believe that is what made TEN TEC what they were.

Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Mon, 23 May 2016 15:37:04 +0000
Subject: Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Thanks Ben
Yes I spoke with them at the booth too, looks promising.
73 TimWB8UHZ

On Monday, May 23, 2016 1:26 PM, "wb2rhm@... [orion565]" <orion565@yahoogroups.com> wrote:

Tim,I'm not sure, but they seem to have an upbeat attitude about all this, I suggest a quick phone call to ask.73,Ben WB2RHM

11386. Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-23 20:26:40 UTC
From: amfone
Topic: 11381 Message: 11386

I agree Wayne and if I can't call them and talk to a living person I'm not buying anything from them.

TimWB8UHZ

On Monday, May 23, 2016 5:15 PM, "Wayne Bethoney wbethoney@... [orion565]" <orion565@yahoogroups.com> wrote:

  What bothers me however is the fact that phone support is gone. You get support from everyone else in the business. Maybe they need to have a couple of people to man the phones for support only. They need not be from the repair dept. A live body is VERY IMPORTANT to Hams in need of assistance. I believe that is what made TEN TEC what they were.

Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Mon, 23 May 2016 15:37:04 +0000
Subject: Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

  Thanks Ben
Yes I spoke with them at the booth too, looks promising.
73 TimWB8UHZ

On Monday, May 23, 2016 1:26 PM, "wb2rhm@... [orion565]" <orion565@...m> wrote:

  Tim,

I'm not sure, but they seem to have an upbeat attitude about all this, I suggest a quick phone call to ask.

73,
Ben WB2RHM

11387. Re: [orion565] Full Orion 565AT station for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-23 21:03:10 UTC
From: mikerosenberg@...
Topic: 11352 Message: 11387

The Orion has been sold.

73s

Mike
N9YB

11388. Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-23 21:40:40 UTC
From: Mike Schatzberg
Topic: 11381 Message: 11388

I called this morning and dialed straight thru to Robert. One call only. He took my information about needed relays for my O2 and Herc 2. He said he would call me back with the inventory information and pricing or specs for the needed relays.

We will see.

73,

Mike
W2AJI

Sent from my iPhone

> On May 23, 2016, at 4:26 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> I agree Wayne and if I can't call them and talk to a living person I'm not buying anything from them.
>
> Tim
> WB8UHZ
>
>
> On Monday, May 23, 2016 5:15 PM, "Wayne Bethoney wbethoney@... [orion565]" <orion565@yahoogroups.com> wrote:
>
>
> What bothers me however is the fact that phone support is gone. You get support from everyone else in the business. Maybe they need to have a couple of people to man the phones for support only. They need not be from the repair dept. A live body is VERY IMPORTANT to Hams in need of assistance. I believe that is what made TEN TEC what they were.
>
> Wayne/WC1C
>
>
>
>
> To: orion565@yahoogroups.com
> From: orion565@yahoogroups.com
> Date: Mon, 23 May 2016 15:37:04 +0000
> Subject: Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....
>

>
> Thanks Ben
>
> Yes I spoke with them at the booth too, looks promising.
>
> 73 Tim
> WB8UHZ
>
>
> On Monday, May 23, 2016 1:26 PM, "wb2rhm@... [orion565]" <orion565@yahoogroups.com>
wrote:
>
>
>
> Tim,
>
> I'm not sure, but they seem to have an upbeat attitude about all this, I suggest a quick
phone call to ask.
>
> 73,
> Ben WB2RHM
>
>
>
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>
>

11389. Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-23 22:07:11 UTC
From: <k3cc@...>
Topic: 11381 Message: 11389

I hope they will have parts and support for the Orion's My display takes almost 10 min to come alive...Maybe an easy fix

de Skip K3CC

From: Wayne Bethoney wbethoney@... [orion565]
Sent: Monday, May 23, 2016 1:15 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

What bothers me however is the fact that phone support is gone. You get support from everyone else in the business. Maybe they need to have a couple of people to man the phones for support only. They need not be from the repair dept. A live body is VERY IMPORTANT to Hams in need of assistance. I believe that is what made TEN TEC what they were.

Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Mon, 23 May 2016 15:37:04 +0000
Subject: Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Thanks Ben

Yes I spoke with them at the booth too, looks promising.

73 Tim
WB8UHZ

On Monday, May 23, 2016 1:26 PM, "wb2rhm@... [orion565]" <orion565@yahoogroups.com> wrote:

Tim,

I'm not sure, but they seem to have an upbeat attitude about all this, I suggest a quick phone call to ask.

73,
Ben WB2RHM

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11390. Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-23 22:29:30 UTC
From: k5ln
Topic: 11381 Message: 11390

Skip,

Have you ever changed the caps on the power distribution board? You might be surprised that it maybe the issue. I had issues with the display and thought it might be the power connection and changed the input power connection. But that was not it. So when my O1 quit working I changed the caps on the power distribution board. Then the rig came to life and has been working great ever since, So good luck.

Tnx,
Bill, K5LN
------ Original message------
From: k3cc@verizon.net [orion565]
Date: Mon, May 23, 2016 5:07 PM
To: orion565@yahoogroups.com;
Subject:Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

I hope they will have parts and support for the Orion's My display takes almost 10 min to come alive...Maybe an easy fix

de Skip K3CC

From: Wayne Bethoney wbethoney@hotmail.com [orion565]
Sent: Monday, May 23, 2016 1:15 PM
To: orion565@yahoogroups.com
Subject: RE: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

What bothers me however is the fact that phone support is gone. You get support from everyone else in the business. Maybe they need to have a couple of people to man the phones for support only. They need not be from the repair dept. A live body is VERY IMPORTANT to Hams in need of assistance. I believe that is what made TEN TEC what they were.

Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Mon, 23 May 2016 15:37:04 +0000
Subject: Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Thanks Ben

Yes I spoke with them at the booth too, looks promising.

73 Tim
WB8UHZ

On Monday, May 23, 2016 1:26 PM, "wb2rhm@wb2rhm.com [orion565]"
wrote:

Tim,

I'm not sure, but they seem to have an upbeat attitude about all this, I
suggest a quick phone call to ask.

73,
Ben WB2RHM

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

Yahoo Groups Links

11391. Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-23 23:19:52 UTC
From: Jim Warner
Topic: 11381 Message: 11391

I was amazed at how much I was able to teach myself about Microsoft
products once they hung a timer on the phone.
Jim WA9Z

On 5/23/2016 3:26 PM, amfone amfone20000@... [orion565] wrote:
>
>
> I agree Wayne and if I can't call them and talk to a living person I'm
> not buying anything from them.
>
> Tim
> WB8UHZ
>
>
> On Monday, May 23, 2016 5:15 PM, "Wayne Bethoney wbethoney@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> What bothers me however is the fact that phone support is gone. You get
> support from everyone else in the business. Maybe they need to have a
> couple of people to man the phones for support only. They need not be
> from the repair dept. A live body is VERY IMPORTANT to Hams in need of
> assistance. I believe that is what made TEN TEC what they were.
>
>
> Wayne/WC1C
>
>
> !
> ;
>
>
> --
> To: orion565@yahoogroups.com
> From: orion565@yahoogroups.com
> Date: Mon, 23 May 2016 15:37:04 +0000
> Subject: Re: [orion565] Some chatter from Dayton RE: service and PARTS
> for Legacy products.....
>
>
> Thanks Ben
>
> Yes I spoke with them at the booth too, looks promising.

>
> 73 Tim
> WB8UHZ
>
>
> On Monday, May 23, 2016 1:26 PM, "wb2rhm@... [orion565]"
> <orion565@yahoogroups.com> wrote:
>
>
>
> Tim,
>
> I'm not sure, but they seem to have an upbeat attitude about all this, I
> suggest a quick phone call to ask.
>
> 73,
> Ben WB2RHM
>
>
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>

11392. Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-23 23:20:03 UTC
From: Jerry Rogers
Topic: 11381 Message: 11392

FYI! Several months ago I emailed TenTec service needing a cooling fan for my Centurion amp. Received an email about one week later requesting me to phone them, (number included).

Ordered the cooling fan and it was shipped several days later.

Jerry, ki4ps

> On May 23, 2016, at 6:29 PM, k5ln k5ln@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Skip,
>
> Have you ever changed the caps on the power distribution board? You might be surprised that it maybe the issue. I had issues with the display and thought it might be the power connection and changed the input power connection. But that was not it. So when my O1 quit working I changed the caps on the power distribution board. Then the rig came to life and has been working great ever since, So good luck.
>
> Tnx,
> Bill, K5LN
> ------ Original message------
> From: k3cc @... <http://verizon.net/> [orion565]
> Date: Mon, May 23, 2016 5:07 PM
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>;
> Subject:Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....
>
> I hope they will have parts and support for the Orion's My display takes
> almost 10 min to come alive...Maybe an easy fix
>
> de Skip K3CC
>
> From: Wayne Bethoney wbethoney@... <mailto:wbethoney@...> [orion565]
> Sent: Monday, May 23, 2016 1:15 PM
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Subject: RE: [orion565] Some chatter from Dayton RE: service and PARTS for
> Legacy products.....
>
>
>
>
>
> What bothers me however is the fact that phone support is gone. You get
> support from everyone else in the business. Maybe they need to have a couple
> of people to man the phones for support only. They need not be from the

> repair dept. A live body is VERY IMPORTANT to Hams in need of assistance. I
> believe that is what made TEN TEC what they were.
>
>
> Wayne/WC1C
>
>
>
>
>
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Date: Mon, 23 May 2016 15:37:04 +0000
> Subject: Re: [orion565] Some chatter from Dayton RE: service and PARTS for
> Legacy products.....
>
>
> Thanks Ben
>
> Yes I spoke with them at the booth too, looks promising.
>
> 73 Tim
> WB8UHZ
>
>
>
> On Monday, May 23, 2016 1:26 PM, "wb2rhm@... <mailto:wb2rhm@...> [orion565]"
> wrote:
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>
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>
>
> Tim,
>
> I'm not sure, but they seem to have an upbeat attitude about all this, I
> suggest a quick phone call to ask.
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> 73,
> Ben WB2RHM
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> ---
> This email has been checked for viruses by Avast antivirus software.
> https://www.avast.com/antivirus <https://www.avast.com/antivirus>
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> Yahoo Groups Links
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11393. Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-24 00:01:08 UTC
From: Bill Fultz
Topic: 11381 Message: 11393

New to this group. Just bought a used Orion 2
Just acquired this great radio, but as is normal for used radios, it needs some work to make it work as it was when new. Right after I purchased it the Ten Tec web site went down. There wasn't any phone number and an email to the service site provided just before tentec.com went down has not be answered 10 days after I sent it. I hope that the new owner does get phones manned soon and an updated as to when they may start taking service requests again. I know the backup battery is gone as I have to do a reset every time I power it up, and I have ordered a new one online and will attempt to replace that myself.I would still like to send it in for as complete a work over as they are able to do based on parts available. Hopefully, they will get that info out to their newly acquired customers soon......

Bill Fultz, W7FEI

On Monday, May 23, 2016 10:15 AM, "Wayne Bethoney wbethoney@... [orion565]" <orion565@yahoogroups.com> wrote:

  What bothers me however is the fact that phone support is gone. You get support from everyone else in the business. Maybe they need to have a couple of people to man the phones for support only. They need not be from the repair dept. A live body is VERY IMPORTANT to Hams in need of assistance. I believe that is what made TEN TEC what they were.

Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Mon, 23 May 2016 15:37:04 +0000
Subject: Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

  Thanks Ben
Yes I spoke with them at the booth too, looks promising.
73 TimWB8UHZ

On Monday, May 23, 2016 1:26 PM, "wb2rhm@... [orion565]" <orion565@yahoogroups.com> wrote:

  Tim,

I'm not sure, but they seem to have an upbeat attitude about all this, I suggest a quick phone call to ask.

73,
Ben WB2RHM

11394. Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-24 00:36:00 UTC
From: amfone
Topic: 11381 Message: 11394

I was told yes and no about the Orion repair. One guy said if we have the parts another guy said you can get the parts off Ebay.
Glad they answered the phone that is good news.
TimWB8UHZ

On Tuesday, May 24, 2016 12:01 AM, "Bill Fultz b_fultz@... [orion565]" <orion565@yahoogroups.com> wrote:

  New to this group. Just bought a used Orion 2
Just acquired this great radio, but as is normal for used radios, it needs some work to make it work as it was when new. Right after I purchased it the Ten Tec web site went down. There wasn't any phone number and an email to the service site provided just before tentec.com went down has not be answered 10 days after I sent it. I hope that the new owner does get phones manned soon and an updated as to when they may start taking service requests again. I know the backup battery is gone as I have to do a reset every time I power it up, and I have ordered a new one online and will attempt to replace that myself.I would still like to send it in for as complete a work over as they are able to do based on parts available. Hopefully, they will get that info out to their newly acquired customers soon......

Bill Fultz, W7FEI

On Monday, May 23, 2016 10:15 AM, "Wayne Bethoney wbethoney@hotmail.com [orion565]" <orion565@yahoogroups.com> wrote:

  What bothers me however is the fact that phone support is gone. You get support from everyone else in the business. Maybe they need to have a couple of people to man the phones for support only. They need not be from the repair dept. A live body is VERY IMPORTANT to Hams in need of assistance. I believe that is what made TEN TEC what they were.

Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Mon, 23 May 2016 15:37:04 +0000
Subject: Re: [orion565] Some chatter from Dayton RE: service and PARTS for Legacy products.....

  Thanks Ben
Yes I spoke with them at the booth too, looks promising.
73 TimWB8UHZ

On Monday, May 23, 2016 1:26 PM, "wb2rhm@wb2rhm.com [orion565]" <orion565@yahoogroups.com> wrote:

Tim,

I'm not sure, but they seem to have an upbeat attitude about all this, I suggest a quick phone call to ask.

73,
Ben WB2RHM

11395. Orion II questions

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-26 18:08:04 UTC
From: ragnarpar@...
Topic: 11395 Message: 11395

Ok,
1) so I have inherited a 2006 TT Orion II from my Elmer (GRHS) I have just uploaded V 3.033 from the down load site.
I pushed yes for the RX -366 Receiver Installed Question without knowing for sure if it is installed.
How do I confirm that it is the RX -366 or the older one? The new heading at start up says that the RX-366 is installed, is that my confirmation or would it say that even if it has the older unit was in and I pushed the AN butten for yes when it inquired at upload?

2) memory battery, what type is it and where do I find it to replace it? Which leads to.

3) whats the best downloads for operating and maintaining this rig?? I found the wikipage and downloaded the
A) clean power conections with solvent info.
B) replace power caps with higher temp units info.
C) using orions receiver by YT1NT & VA3TTN info.

I have a beat up copy of the operators manual from '06

4) Any other must have resources that are available???

I built a K2 on a ship rounding Cape Hope 6-7 years ago. Love the K2. I am learning this Orion 2 and haveing lots of fun with it. Ive been off the air for a few years and it has made me get an antenna up and start working a few qsos as well as visit some old nets. The more I use it the more I am becoming comfortable with it and liking it.
There is a SB220 in a box that needs some work that maybe by the end of summer I can get going.

Thanks for any help and pointers. I am enjoying learning this rig and look forward to propper operation of it.

Sincerely es --... ...--
W3PAR

11396. Re: [orion565] Orion II questions

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-26 18:27:23 UTC
From: Barry N1EU
Topic: 11395 Message: 11396

On Thu, May 26, 2016 at 2:08 PM, ragnarpar@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Ok,
>
> 1) so I have inherited a 2006 TT Orion II from my Elmer (GRHS) I have
> just uploaded V 3.033 from the down load site.
>
> I pushed yes for the RX -366 Receiver Installed Question without knowing
> for sure if it is installed.
>
> How do I confirm that it is the RX -366 or the older one? The new heading
> at start up says that the RX-366 is installed, is that my confirmation or
> would it say that even if it has the older unit was in and I pushed the AN
> butten for yes when it inquired at upload?
>
>
>

No, that is confirmation only that you pushed yes. You should perform a Master Reset and answer "no." After it comes up, check whether the subreceiver is working. If it is, you're done and you have the standard subreceiver.

If the subreceiver isn't working at that point, you need to remove the top cover and LOOK. If it IS the RX366, you need to remove the filter cover and take note of the filters installed in the 3 slots because you're going to have to enter that info in the Filter menu.

The Orion II is relatively maintenance free, except for the battery and power distribution board filter caps.

73, Barry N1EU

11397. Re: Orion II questions

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-26 19:12:26 UTC
From: ragnarpar@...
Topic: 11395 Message: 11397

Ok, thanks. Looks like I have the standard sub receiver.
So, what is the battery type?
Im in the boonies with limited options to such materials.
Most likely a web purchase.
Any part numbers. I do not see such in the Operators Manual.
Thanks for any pointers.
Par

11398. Re: [orion565] Re: Orion II questions

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-26 19:41:20 UTC
From: Barry N1EU
Topic: 11395 Message: 11398

It's all on tentecwiki.org - look under Orion, it's the same battery

73, Barry N1EU

On Thu, May 26, 2016 at 7:12 PM, ragnarpar@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Ok, thanks.
> Looks like I have the standard sub receiver.
> So, what is the battery type?
> Im in the boonies with limited options to such materials.
> Most likely a web purchase.
> Any part numbers. I do not see such in the Operators Manual.
> Thanks for any pointers.
> Par
>
>
>

11399. Re: [orion565] Re: Orion II questions

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-26 20:24:45 UTC
From: Par
Topic: 11395 Message: 11399

Ok, fine business.
Asked question, received answers in less than an hour or two.
Cant beat that.

Thanks again.

Let me know if any thots on best ref materials and sources.
73
Par

11400. Re: [orion565] Orion II questions

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-27 00:46:51 UTC
From: K Van Horn
Topic: 11395 Message: 11400

The A9 power supply board caps need to have a very good ESR (low equivalent series resistance) as well as higher voltage and temp ratings. Do a web search for the "blue ESR meter kit" to find a cheap way to acquire an good ESR meter to check the caps prior to installation.
73 es GUD DX,
kirby, k7ec
On 26-May-16 12:08:11, ragnarpar@... [orion565] <orion565@yahoogroups.com> wrote:

Ok,
1) so I have inherited a 2006 TT Orion II from my Elmer (GRHS) I have just uploaded V 3.033 from the down load site.
I pushed yes for the RX -366 Receiver Installed Question without knowing for sure if it is installed.
How do I confirm that it is the RX -366 or the older one? The new heading at start up says that the RX-366 is installed, is that my confirmation or would it say that even if it has the older unit was in and I pushed the AN butten for yes when it inquired at upload?

2) memory battery, what type is it and where do I find it to replace it? Which leads to.

3) whats the best downloads for operating and maintaining this rig?? I found the wikipage and downloaded the
A) clean power conections with solvent info.
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C) using orions receiver by YT1NT & VA3TTN info.

I have a beat up copy of the operators manual from '06

4) Any other must have resources that are available???

I built a K2 on a ship rounding Cape Hope 6-7 years ago. Love the K2. I am learning this Orion 2 and haveing lots of fun with it. Ive been off the air for a few years and it has made me get an antenna up and start working a few qsos as well as visit some old nets. The more I use it the more I am becoming comfortable with it and liking it.
There is a SB220 in a box that needs some work that maybe by the end of summer I can get going.

Thanks for any help and pointers. I am enjoying learning this rig and look forward to propper operation of it.

Sincerely es --... ...--
W3PAR

11401. Re: [orion565] Orion II questions

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-27 10:16:08 UTC
From: Barry N1EU
Topic: 11395 Message: 11401

The wiki article at http://www.tentecwiki.org/doku.php?id=565pwrdistfail
covers the issues of low ESR and high ripple current rating and suggests
specific capacitors to buy - just scroll to the bottom

73, Barry N1EU.

On Thu, May 26, 2016 at 8:46 PM, 'K Van Horn' k7ec@... [orion565]
<orion565@yahoogroups.com> wrote:

>
>
> The A9 power supply board caps need to have a very good ESR (low
> equivalent series resistance) as well as higher voltage and temp ratings.
> Do a web search for the "blue ESR meter kit" to find a cheap way to acquire
> an good ESR meter to check the caps prior to installation.
> 73 es GUD DX,
> kirby, k7ec
>
> On 26-May-16 12:08:11, ragnarpar@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
> Ok,
>
> 1) so I have inherited a 2006 TT Orion II from my Elmer (GRHS) I have
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>
> I pushed yes for the RX -366 Receiver Installed Question without knowing
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> How do I confirm that it is the RX -366 or the older one? The new heading
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> would it say that even if it has the older unit was in and I pushed the AN
> butten for yes when it inquired at upload?
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>
> 2) memory battery, what type is it and where do I find it to replace it?
> Which leads to.
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>
> 3) whats the best downloads for operating and maintaining this rig?? I
> found the wikipage and downloaded the
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> A) clean power conections with solvent info.
>
> B) replace power caps with higher temp units info.

>
> C) using orions receiver by YT1NT & VA3TTN info.
>
>
> I have a beat up copy of the operators manual from '06
>
>
> 4) Any other must have resources that are available???
>
>
> I built a K2 on a ship rounding Cape Hope 6-7 years ago. Love the K2. I
> am learning this Orion 2 and haveing lots of fun with it. Ive been off the
> air for a few years and it has made me get an antenna up and start working
> a few qsos as well as visit some old nets. The more I use it the more I am
> becoming comfortable with it and liking it.
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> There is a SB220 in a box that needs some work that maybe by the end of
> summer I can get going.
>
>
> Thanks for any help and pointers. I am enjoying learning this rig and
> look forward to propper operation of it.
>
>
> Sincerely es --... ...--
>
> W3PAR
>
>
>
>
>

11402. Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-27 11:04:25 UTC
From: bkemp@...
Topic: 11402 Message: 11402

With TT in somewhat of an "unknown" place right now ....regarding repairs. I've had my Orion II down to Exline Signal in Exline, IA and Jim Warner down there had it running in short order. Found a chip on the mic. amplifier that he fixed. The rig was making a clicking sound as I'd transmit. He now is working on my Herc II I bought used! He knows his stuff, and with TT as they are right now...Jim's my man!
Bob
wa0vrc

11403. Re: [orion565] Orion II questions

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-27 11:23:26 UTC
From: ragnarpar@...
Topic: 11395 Message: 11403

Ok I should hope to order the phatbat and caps next week.
Tnx
W3par n

11404. Orion 2 Distorted Received Audio

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-27 16:58:02 UTC
From: w3on@...
Topic: 11404 Message: 11404

Hello
I have a question. I am currently using as Orion II that I purchased from a silent key estate. Generally it has been working normally, I think. I noticed that when I activate the HARDWARE NOISE BLANKER, the received audio becomes slightly distorted. This does not occur with the standard noise blanker. Is their some sort of adjustment in the Orion II that I can set to stop the slightly distorted receive audio. With the setting at "OFF:H" the audio still sounds slightly distorted.

Thank you to all who answered my question about not using ALC with my ICOM PW1 and the Orion II. Summarizing their is no ALC input port on the Orion II. I have occasionally used my PW1 with the Orion II.Mostly I do not use the PW1 with the Orion II because their is NO ALC connection available at the Orion II.
I had also asked about some sort of Amertitron device which would provide external ALC, which I have not purchased.

I am hoping that their is some sort of setting in the Orion II that I can use to set the HARDWARE NOISE BLANKER to its proper value.

73 de Chuck W3ON

11405. Re: [orion565] Orion 2 Distorted Received Audio

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-27 18:14:17 UTC
From: Mike Schatzberg
Topic: 11404 Message: 11405

There is no other setting for the HW blanker itself.

You can experiment with different filter bandwidths though.

Wider bandwidth might give a different result especially with the DSP blanker.

See if it helps.

73,

Mike
W2AJI

Sent from my iPhone

> On May 27, 2016, at 12:58 PM, w3on@comcast.net [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Hello
> I have a question. I am currently using as Orion II that I purchased from a silent key estate. Generally it has been working normally, I think. I noticed that when I activate the HARDWARE NOISE BLANKER, the received audio becomes slightly distorted. This does not occur with the standard noise blanker. Is their some sort of adjustment in the Orion II that I can set to stop the slightly distorted receive audio. With the setting at "OFF:H" the audio still sounds slightly distorted.
>
> Thank you to all who answered my question about not using ALC with my ICOM PW1 and the Orion II. Summarizing their is no ALC input port on the Orion II. I have occasionally used my PW1 with the Orion II.Mostly I do not use the PW1 with the Orion II because their is NO ALC connection available at the Orion II.
> I had also asked about some sort of Amertitron device which would provide external ALC, which I have not purchased.
>
> I am hoping that their is some sort of setting in the Orion II that I can use to set the HARDWARE NOISE BLANKER to its proper value.
>
> 73 de Chuck W3ON
>
>
>
>
>
>

11406. Re: Orion 2 Distorted Received Audio

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-27 20:27:46 UTC
From: allen3500@...
Topic: 11404 Message: 11406

Chuck,

Make sure you have the Automatic Notch (AN) turned either off, or set no higher than #1. This feature causes terrible distortion in my OII the higher it is set, even with the blankers turned off.

Jim wb5twc

11407. RE: [orion565] Orion 2 Distorted Received Audio

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-28 12:48:37 UTC
From: Andrew B Steen
Topic: 11404 Message: 11407

On a similar vein, I have noticed audio distortion when using the Auto Notch Filter. While it does an excellent job of notching a carrier, the audio is also distorted, sometimes severely. I bought the O II new, and it has always been there. Anyone else had this issue?

73,

Andrew

K6STN

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Friday, May 27, 2016 11:14 AM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 2 Distorted Received Audio

There is no other setting for the HW blanker itself.

You can experiment with different filter bandwidths though.

Wider bandwidth might give a different result especially with the DSP blanker.

See if it helps.

73,

Mike

W2AJI

Sent from my iPhone

On May 27, 2016, at 12:58 PM, w3on@... [orion565] <orion565@yahoogroups.com> wrote:

Hello
I have a question. I am currently using as Orion II that I purchased from a silent key estate. Generally it has been working normally, I think. I noticed that when I activate the HARDWARE NOISE BLANKER, the received audio becomes slightly distorted. This does not occur with the standard noise blanker. Is their some sort of adjustment in the Orion II that I can set to stop the slightly distorted receive audio. With the setting at "OFF:H" the audio still sounds slightly distorted.

Thank you to all who answered my question about not using ALC with my ICOM PW1 and the Orion II. Summarizing their is no ALC input port on the Orion II. I have occasionally used my PW1 with the Orion II.Mostly I do not use the PW1 with the Orion II because their is NO ALC connection available at the Orion II.
I had also asked about some sort of Amertitron device which would provide external ALC, which I have not purchased.

I am hoping that their is some sort of setting in the Orion II that I can use to set the HARDWARE NOISE BLANKER to its proper value.

73 de Chuck W3ON

11408. Re: [orion565] Orion 2 Distorted Received Audio

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-29 12:56:58 UTC
From: Jerry Rogers
Topic: 11404 Message: 11408

My Orion Ii was new also. Only several years old, and YES my radio has distorted auto with the auto notch filter. I keep it at lever one, but ti’s totally useless.
A very poor showing for the cost of this radio.

I contacted Paul just after I got the radio. He treated me like some kind of CB operator, telling me I was not operating the radio right.
I told him if a carrier is there (SSB), and you select auto notch it should work. I hear guys everyday talk about keeping there auto notch turned on.
You can not do it with the Orion II.

The Orion II is the finest radio I’ve owned in 55 years of hamming excluding the auto notch filter. However, it is what it is.
So, I do not use the auto notch.

Jerry, ki4ps

> On May 28, 2016, at 8:48 AM, 'Andrew B Steen' n2gff@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> On a similar vein, I have noticed audio distortion when using the Auto Notch Filter. While it does an excellent job of notching a carrier, the audio is also distorted, sometimes severely. I bought the O II new, and it has always been there. Anyone else had this issue?
>
> 73,
>
> Andrew
>
> K6STN
>
>
>
> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com> [mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
> Sent: Friday, May 27, 2016 11:14 AM
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Subject: Re: [orion565] Orion 2 Distorted Received Audio
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>
> There is no other setting for the HW blanker itself.
>
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>
> You can experiment with different filter bandwidths though.
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>
> Wider bandwidth might give a different result especially with the DSP blanker.
>
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>
> See if it helps.
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> 73,
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>
> Mike
>
> W2AJI
>
>
> Sent from my iPhone
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> On May 27, 2016, at 12:58 PM, w3on@... <mailto:w3on@...> [orion565]
<orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
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>> I have a question. I am currently using as Orion II that I purchased from a silent key estate. Generally it has been working normally, I think. I noticed that when I activate the HARDWARE NOISE BLANKER, the received audio becomes slightly distorted. This does not occur with the standard noise blanker. Is their some sort of adjustment in the Orion II that I can set to stop the slightly distorted receive audio. With the setting at "OFF:H" the audio still sounds slightly distorted.
>>
>> Thank you to all who answered my question about not using ALC with my ICOM PW1 and the Orion II. Summarizing their is no ALC input port on the Orion II. I have occasionally used my PW1 with the Orion II.Mostly I do not use the PW1 with the Orion II because their is NO ALC connection available at the Orion II.
>> I had also asked about some sort of Amertitron device which would provide external ALC, which I have not purchased.
>>
>> I am hoping that their is some sort of setting in the Orion II that I can use to set the HARDWARE NOISE BLANKER to its proper value.
>>
>> 73 de Chuck W3ON
>>
>>
>>

>
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>

11409. Re: [orion565] Orion 2 Distorted Received Audio

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-29 15:46:07 UTC
From: Jim Warner
Topic: 11404 Message: 11409

I run my rx cuts at 300-3K. AN and NB work great. IF you're listening to ESSB or AM broadcast, I would expect distortion.
Jim WA9Z

On 5/29/2016 7:56 AM, Jerry Rogers ki4ps@... [orion565] wrote:
>
>
> My Orion Ii was new also. Only several years old, and YES my radio has
> distorted auto with the auto notch filter. I keep it at lever one, but
> ti’s totally useless.
>
> A very poor showing for the cost of this radio.
>
> I contacted Paul just after I got the radio. He treated me like some
> kind of CB operator, telling me I was not operating the radio right.
> I told him if a carrier is there (SSB), and you select auto notch it
> should work. I hear guys everyday talk about keeping there auto notch
> turned on.
> You can not do it with the Orion II.
>
> The Orion II is the finest radio I’ve owned in 55 years of hamming
> excluding the auto notch filter. However, it is what it is.
> So, I do not use the auto notch.
>
> Jerry, ki4ps
>
>
>> On May 28, 2016, at 8:48 AM, 'Andrew B Steen' n2gff@...
>> <mailto:n2gff@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
>>
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>> On a similar vein, I have noticed audio distortion when using the Auto
>> Notch Filter. While it does an excellent job of notching a carrier,
>> the audio is also distorted, sometimes severely. I bought the O II
>> new, and it has always been there. Anyone else had this issue?
>>
>> 73,
>>
>> Andrew
>>
>> K6STN
>>
>>
>>

>> *From:* orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com> [mailto:orion565@yahoogroups.com]
>> *Sent:* Friday, May 27, 2016 11:14 AM
>> *To:* orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>> *Subject:* Re: [orion565] Orion 2 Distorted Received Audio
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>> There is no other setting for the HW blanker itself.
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>> You can experiment with different filter bandwidths though.
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>> Wider bandwidth might give a different result especially with the DSP
>> blanker.
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>> See if it helps.
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>> 73,
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>> Mike
>>
>> W2AJI
>>
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>> Sent from my iPhone
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>> On May 27, 2016, at 12:58 PM, w3on@...
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>> <mailto:orion565@yahoogroups.com>> wrote:
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>>> Hello
>>> I have a question. I am currently using as Orion II that I purchased
>>> from a silent key estate. Generally it has been working normally, I
>>> think. I noticed that when I activate the HARDWARE NOISE BLANKER,
>>> the received audio becomes slightly distorted. This does not occur
>>> with the standard noise blanker. Is their some sort of adjustment in
>>> the Orion II that I can set to stop the slightly distorted receive

>>> audio. With the setting at "OFF:H" the audio still sounds slightly
>>> distorted.
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>>> Thank you to all who answered my question about not using ALC with my
>>> ICOM PW1 and the Orion II. Summarizing their is no ALC input port on
>>> the Orion II. I have occasionally used my PW1 with the Orion
>>> II.Mostly I do not use the PW1 with the Orion II because their is NO
>>> ALC connection available at the Orion II.
>>> I had also asked about some sort of Amertitron device which would
>>> provide external ALC, which I have not purchased.
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>>> I am hoping that their is some sort of setting in the Orion II that I
>>> can use to set the HARDWARE NOISE BLANKER to its proper value.
>>>
>>> 73 de Chuck W3ON
>>>
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>

11410. Re: [orion565] Orion 2 Distorted Received Audio

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-29 18:20:25 UTC
From: Jerry Rogers
Topic: 11404 Message: 11410

Like it stated, on SSB. Do not use it for AM.

I tried to get help from TenTec but it was a waste of time.

Jerry, ki4ps

> On May 29, 2016, at 11:46 AM, Jim Warner jim@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I run my rx cuts at 300-3K. AN and NB work great. IF you're listening to
> ESSB or AM broadcast, I would expect distortion.
> Jim WA9Z
>
> On 5/29/2016 7:56 AM, Jerry Rogers ki4ps@... <mailto:ki4ps@yahoo.com> [orion565] wrote:
> >
> >
> > My Orion Ii was new also. Only several years old, and YES my radio has
> > distorted auto with the auto notch filter. I keep it at lever one, but
> > ti’s totally useless.
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> > A very poor showing for the cost of this radio.
> >
> > I contacted Paul just after I got the radio. He treated me like some
> > kind of CB operator, telling me I was not operating the radio right.
> > I told him if a carrier is there (SSB), and you select auto notch it
> > should work. I hear guys everyday talk about keeping there auto notch
> > turned on.
> > You can not do it with the Orion II.
> >
> > The Orion II is the finest radio I’ve owned in 55 years of hamming
> > excluding the auto notch filter. However, it is what it is.
> > So, I do not use the auto notch.
> >
> > Jerry, ki4ps
> >
> >
> >> On May 28, 2016, at 8:48 AM, 'Andrew B Steen' n2gff@sbcglobal.net <mailto:n2gff@...>
> >> <mailto:n2gff@... <mailto:n2gff@...>> [orion565] <orion565@yahoogroups.com
<mailto:orion565@yahoogroups.com>
> >> <mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>> wrote:
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> >>
> >> On a similar vein, I have noticed audio distortion when using the Auto
> >> Notch Filter. While it does an excellent job of notching a carrier,
> >> the audio is also distorted, sometimes severely. I bought the O II
> >> new, and it has always been there. Anyone else had this issue?

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> >> 73,
> >>
> >> Andrew
> >>
> >> K6STN
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> >>
> >> *From:* orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> >> <mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
[mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
> >> *Sent:* Friday, May 27, 2016 11:14 AM
> >> *To:* orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
<mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
> >> *Subject:* Re: [orion565] Orion 2 Distorted Received Audio
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> >>
> >> There is no other setting for the HW blanker itself.
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> >> You can experiment with different filter bandwidths though.
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> >>
> >> Wider bandwidth might give a different result especially with the DSP
> >> blanker.
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> >> See if it helps.
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> >> 73,
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> >>
> >> Mike
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> >> W2AJI
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> >>
> >> Sent from my iPhone
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> >> On May 27, 2016, at 12:58 PM, w3on@... <mailto:w3on@...>
> >> <mailto:w3on@... <mailto:w3on@...>> [orion565] <orion565@yahoogroups.com
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> >> <mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>> wrote:
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> >>> from a silent key estate. Generally it has been working normally, I
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> >>> audio. With the setting at "OFF:H" the audio still sounds slightly
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> >>>
> >>> Thank you to all who answered my question about not using ALC with my
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> >>> 73 de Chuck W3ON
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11411. Re: [orion565] Orion 2 Distorted Received Audio

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-29 18:32:47 UTC
From: Jerry Rogers
Topic: 11404 Message: 11411

Jim: Where are you setting in the Orion Ii the cuts 300-3K?

Jerry, ki4ps

> On May 29, 2016, at 11:46 AM, Jim Warner jim@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I run my rx cuts at 300-3K. AN and NB work great. IF you're listening to
> ESSB or AM broadcast, I would expect distortion.
> Jim WA9Z
>
> On 5/29/2016 7:56 AM, Jerry Rogers ki4ps@yahoo.com <mailto:ki4ps@...> [orion565] wrote:
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> > My Orion Ii was new also. Only several years old, and YES my radio has
> > distorted auto with the auto notch filter. I keep it at lever one, but
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> > So, I do not use the auto notch.
> >
> > Jerry, ki4ps
> >
> >
> >> On May 28, 2016, at 8:48 AM, 'Andrew B Steen' n2gff@... <mailto:n2gff@...>
> >> <mailto:n2gff@... <mailto:n2gff@...>> [orion565] <orion565@yahoogroups.com
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> >> <mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>> wrote:
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> >> On a similar vein, I have noticed audio distortion when using the Auto
> >> Notch Filter. While it does an excellent job of notching a carrier,
> >> the audio is also distorted, sometimes severely. I bought the O II
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> >> 73,
> >>
> >> Andrew
> >>
> >> K6STN
> >>
> >>
> >>
> >> *From:* orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> >> <mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
[mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
> >> *Sent:* Friday, May 27, 2016 11:14 AM
> >> *To:* orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
<mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
> >> *Subject:* Re: [orion565] Orion 2 Distorted Received Audio
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> >> There is no other setting for the HW blanker itself.
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> >> You can experiment with different filter bandwidths though.
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> >> Wider bandwidth might give a different result especially with the DSP
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> >> On May 27, 2016, at 12:58 PM, w3on@... <mailto:w3on@...>

> >> <mailto:w3on@... <mailto:w3on@...>> [orion565] <orion565@yahoogroups.com
<mailto:orion565@yahoogroups.com>
> >> <mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>> wrote:
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> >>> Thank you to all who answered my question about not using ALC with my
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> >>>
> >>> 73 de Chuck W3ON
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11412. Re: Orion 2 Distorted Received Audio

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-30 01:08:09 UTC
From: N4BE_Jim@yahoo.com
Topic: 11404 Message: 11412

The HW noise blanker does create some distortions in the received audio, especially on strong signals, or if there is a strong station on an adjacent frequency.
Jim N4BE

Sent from my iPad

11413. Re: [orion565] Re: Orion 2 Distorted Received Audio

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-30 09:55:17 UTC
From: Jerry Rogers
Topic: 11404 Message: 11413

Jim: The original question was about the auto notch filter causing distortion.

That’s why I do not use mine.

My last question was about the ham that said his worked fine. He set his RX at 300-3K. My question to him was where are you setting this
on the Orion II.

Jerry, ki4ps

> On May 29, 2016, at 9:08 PM, 'N4BE_Jim@...' n4be_jim@... [orion565] <orion565@yahoogroups.com> wrote:
>
> The HW noise blanker does create some distortions in the received audio, especially on strong signals, or if there is a strong station on an adjacent frequency.
> Jim N4BE
>
> Sent from my iPad

11414. My Orion 2 went funky

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-30 11:19:28 UTC
From: Richard Kruse
Topic: 11414 Message: 11414

Gentlemen, Happy Memorial Day to all

Thank you for past help and in advance for the problem now. I recently replaced the batteries in my Orion2 and after “securing the filters in their sockets all has been operating as it should.

Last Thursday I was operating 160 m. SSB . All was working well. Looked at 40 and 30 CW bands for activity – no problem – a few CW Qsos. Went back to 160 SSB and chatted for a bit. Then, all of a sudden no noise, couldn’t transmit, couldn’t change bands at all.

Turned it off and on it came back up on the freq. I had been at on 160 SSB. But no sounds at all. Couldn’t change bands.

I did a master reset and the rig came up on the default band at 1450. Still can’t change bands or get sounds. Menu functions work. I changed mode from ssb to cw and the rig put out a continuous cw sig. I could vary the power but could not turn the CW sig off until I changed modes back to SSB or AM etc.

I turned on my solid state amp and put the rig in cw mode. The CW sig was there as evidenced on my antenna output power meter, but my amp remained on 160. Apparently the rig is NOT sending any information to the amp over the cat cable (which is where this amp gets the info to switch bands).

Your advice is so very welcome.
Dick Kruse K8GTQ
rkruse@...

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11415. Re: [orion565] My Orion 2 went funky

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-30 12:56:26 UTC
From: Jerry Rogers
Topic: 11414 Message: 11415

Have you removed the Orion II from all external connections, etc.? This means even with the amp disconnected?

Just wondering if the rig will work as a stand alone?

Jerry, ki4ps
Oriion II operator

> On May 30, 2016, at 7:19 AM, 'Richard Kruse' rkruse@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Gentlemen, Happy Memorial Day to all
>
> Thank you for past help and in advance for the problem now. I recently replaced the batteries in my Orion2 and after “securing the filters in their sockets all has been operating as it should.
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> Last Thursday I was operating 160 m. SSB . All was working well. Looked at 40 and 30 CW bands for activity – no problem – a few CW Qsos. Went back to 160 SSB and chatted for a bit. Then, all of a sudden no noise, couldn’t transmit, couldn’t change bands at all.
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> I turned on my solid state amp and put the rig in cw mode. The CW sig was there as evidenced on my antenna output power meter, but my amp remained on 160. Apparently the rig is NOT sending any information to the amp over the cat cable (which is where this amp gets the info to switch bands).
>
> Your advice is so very welcome.
> Dick Kruse K8GTQ
> rkruse@... <mailto:rkruse@speednetllc.com>
>
>
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=icon> Virus-free. www.avast.com <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link>
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11416. looking for fuses f2 & f3

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-30 15:09:35 UTC
From: n8fl@...
Topic: 11416 Message: 11416

my orion was hit by a rouge power supply. took out main fuse , now its replaced but still in working order.. I'm looking for 2 fuses that's shows on the schematic as f2 and f3 but do not see them any where,,, any ideas as to where they are or what type of fuse I'm looking for?? thanks
N8FL

11417. Re: Orion 2 Distorted Received Audio

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-30 23:52:35 UTC
From: w3on@...
Topic: 11404 Message: 11417

Hello
Thank you all for your responses regarding my "Distorted Audio" question that I posted last week. From what I can tell, many of us have the "Distorted Audio" on receive when the Auto Notch AN is adjusted to a setting higher than 1. After reading your suggestions, I checked and found my AN setting at 3. I reset it to 1, and now most of my received audio sounded somewhat normal, although not completely. I found that the only way to get rid of the received distorted audio was to deactivate the HARDWARE NOISE BLANKER in the RX MENU. I have been using it that way over the last few days. Most times I do not use any Noise Blanker function, although over the last month I have had a recurring received electrical noise problem in my area. I am not sure what it is, but I suspect the overhead street light in front of my house. It could also be other things in my area. I have just read an article in the June QST regarding some sort of Ultra Sonic Noise Detectorthat receives at 40 kHz, that MFJ is now selling. It looks interesting. Well, I won't bother you again with this question about distorted receive audio, as it appears to be on most Orion transceivers.
73 de CHuck W3ON

11418. Re: Re[2]: [orion565] My Orion 2 went funky

Yahoo group: orion565 (2014 — 2017)
Date: 2016-05-31 10:25:10 UTC
From: Richard Kruse
Topic: 11418 Message: 11418

Thank you for the help Mike and everyone else,
I will order the caps and I guess it can’t hurt to replace them. However, my rig is not displaying any of the symptoms mentioned
by yourself or others that seem to be associated with the A9 board.
A summary of what I have discovered so far.
My screen is fine.
There is no audio in any mode
It seems that there is no output on the cat cable as my amp has not changed bands from my last operation on 160m.
Both VFOs tune and the six knobs above the main VFO work,
No band change functions work.
All the buttons around the screen work.
None of the buttons below the S meter work,
When changing mode to CW a continuous CW signal is present and the power level of that signal can be varied from full power to low power as evidenced by my power meter.
I can transmit an SSB signal as evidenced by the power meter.

Anything else I need to check before replacing the caps?/
Regards,
Dick
K8GTQ

From: Mike Pagel
Sent: Monday, May 30, 2016 3:39 PM
To: Richard Kruse
Subject: Re[2]: [orion565] My Orion 2 went funky

There were reports of some guys having the replacement caps fail 10 months after TenTec serviced them. The key seems to be that they need to be high ESR and the original caps lacked that capability so perhaps the TenTec replacements lacked it as well.

The symptoms for A9 board problems have not been all that consistent. In my case, the 565 exhibited symptoms of RF getting into the audio. Midway through a QSO I suddenly got "fuzz" on my TX audio that could also be heard in the monitor. Strangely, it disappeared whenever I switched from an antenna to a dummy load, and that made me confident that I had a RF problem. Sometimes it was present immediately, other times it showed up after an hour or more of operating. On at least one occasion I was convinced that the problem involved my foot switch.

Eventually, I noticed that the display was weak for a second or so on startup so I replaced all 9 caps on the A9 board. The display returned to normal - and so did my audio. The replacement process was not anxiety-free as I have little experience with component replacement on circuit boards. It turned out to be straightforward, however, and it took more time to open and close the rig than it did to actually replace the caps.

My experience is not the same as yours but the sheer variety of reported problems solved by replacing the A9 caps leads me to believe those caps might be at fault. Bering a holiday weekend, the readership on the reflector is on the light side. I'd be eager to see what Barry, N1EU, has to say.

https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=tentec%20a9%20board

73, de K9UW

------ Original Message ------
From: "Richard Kruse" <rkruse@...>
To: "Mike, K9UW" <k9uw@...>
Sent: 5/30/2016 1:41:04 PM
Subject: Re: [orion565] My Orion 2 went funky

I will look into it, but my power distribution board was rebuilt by Ten Tec about three years after I had purchased it. They replaced the caps on it.
Is there more than one power distribution board? Offhand I remember the problem before was NOT the same as I currently am experiencing.
Regards,
Dick
K8GTQ

On May 30, 2016, at 09:17, Mike, K9UW <k9uw@...> wrote:

Hi Dick!

My best guess is that your A9 power distribution board is demanding attention. The electrolytics on that board are known to fail.

Here are some links, including info on ordering the replacement capacitors. The Orion and Orion II use the same parts:
http://www.tentecwiki.org/doku.php?id=565pwrdistfail
http://www.tentecwiki.org/doku.php?id=k7hpdistboardanalysis

I have replaced the caps in my Orion but have not done the repair yet for my 566.

73, de K9UW

Begin forwarded message:

From: "'Richard Kruse' rkruse@... [orion565]" <orion565@yahoogroups.com>
Date: May 30, 2016 at 6:19:28 AM CDT
To: <orion565@yahoogroups.com>
Subject: [orion565] My Orion 2 went funky
Reply-To: orion565@yahoogroups.com

Gentlemen, Happy Memorial Day to all

Thank you for past help and in advance for the problem now. I recently replaced the batteries in my Orion2 and after “securing the filters in their sockets all has been operating as it should.

Last Thursday I was operating 160 m. SSB . All was working well. Looked at 40 and 30 CW bands for activity – no problem – a few CW Qsos. Went back to 160 SSB and chatted for a bit. Then, all of a sudden no noise, couldn’t transmit, couldn’t change bands at all.

Turned it off and on it came back up on the freq. I had been at on 160 SSB. But no sounds at all. Couldn’t change bands.

I did a master reset and the rig came up on the default band at 1450. Still can’t change bands or get sounds. Menu functions work. I changed mode from ssb to cw and the rig put out a continuous cw sig. I could vary the power but could not turn the CW sig off until I changed modes back to SSB or AM etc.

I turned on my solid state amp and put the rig in cw mode. The CW sig was there as evidenced on my antenna output power meter, but my amp remained on 160. Apparently the rig is NOT sending any information to the amp over the cat cable (which is where this amp gets the info to switch bands).

Your advice is so very welcome.
Dick Kruse K8GTQ
rkruse@...

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https://www.avast.com/antivirus

11419. Fw: Re[2]: [orion565] My Orion 2 went funky

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-01 10:38:56 UTC
From: Richard Kruse
Topic: 11419 Message: 11419

From: mailto:orion565@yahoogroups.com
Sent: Tuesday, May 31, 2016 6:25 AM
To: Mike Pagel
Cc: orion565@yahoogroups.com
Subject: Re: Re[2]: [orion565] My Orion 2 went funky

Thank you for the help Mike and everyone else,
I will order the caps and I guess it can't hurt to replace them. However, my rig is not displaying any of the symptoms mentioned
by yourself or others that seem to be associated with the A9 board.
A summary of what I have discovered so far.
My screen is fine.
There is no audio in any mode
It seems that there is no output on the cat cable as my amp has not changed bands from my last operation on 160m.
Both VFOs tune and the six knobs above the main VFO work,
No band change functions work.
All the buttons around the screen work.
None of the buttons below the S meter work,
When changing mode to CW a continuous CW signal is present and the power level of that signal can be varied from full power to low power as evidenced by my power meter.
I can transmit an SSB signal as evidenced by the power meter.

Anything else I need to check before replacing the caps?/
Regards,
Dick
K8GTQ

From: Mike Pagel
Sent: Monday, May 30, 2016 3:39 PM
To: Richard Kruse
Subject: Re[2]: [orion565] My Orion 2 went funky

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Your advice is so very welcome.
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rkruse@...

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https://www.avast.com/antivirus

11420. Re: Re[2]: [orion565] My Orion 2 went funky

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-01 11:59:26 UTC
From: N4BE_Jim@yahoo.com
Topic: 11418 Message: 11420

I went to the mouser site and tried to order some of these caps (140-ESRL50V470-RC) and it looks like there's a minimum order quantity of 250! Are there any suitable alternative parts?
Jim N4BE

Sent from my iPad

11421. Fuse f2 and f3

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-01 12:09:47 UTC
From: n8fl@...
Topic: 11421 Message: 11421

had a problem with a power supply and blew out main fuse in my original Orion, changed that fuse but still no receive,or tx.I also changed caps that I had ordered prior to this happening,does any know where fuse 2 and fuse 3 are located.. what board?and what type fuses am I looking for?

11422. Re: Re[2]: [orion565] My Orion 2 went funky

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-01 12:16:15 UTC
From: Barry N1EU
Topic: 11418 Message: 11422

Panasonic EEU-FR1J471B

Barry N1EU

On Wed, Jun 1, 2016 at 7:59 AM, 'N4BE_Jim@...' n4be_jim@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> I went to the mouser site and tried to order some of these caps (
> *140-ESRL50V470-RC) *and it looks like there's a minimum order quantity
> of 250! Are there any suitable alternative parts?
> Jim N4BE
>
> Sent from my iPad
>
>
>

11423. Re: Re[2]: [orion565] My Orion 2 went funky

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-02 10:11:05 UTC
From: Richard Kruse
Topic: 11418 Message: 11423

Barry,I was given this link to A9 board discussions and ordered the recommended parts from mouser per www.n6ie.com
recommendation. I think you will find the site and article great.
Regards,
Dick K8GTQ

webhp-sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=tentec%20a9%20board

From: mailto:orion565@yahoogroups.com
Sent: Wednesday, June 01, 2016 8:16 AM
To: Orion565
Subject: Re: Re[2]: [orion565] My Orion 2 went funky

Panasonic EEU-FR1J471B

Barry N1EU

On Wed, Jun 1, 2016 at 7:59 AM, 'N4BE_Jim@yahoo.com' n4be_jim@... [orion565] <orion565@yahoogroups.com> wrote:

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Sent from my iPad

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https://www.avast.com/antivirus

11424. Re: Re[2]: [orion565] My Orion 2 went funky

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-02 11:16:31 UTC
From: Barry N1EU
Topic: 11418 Message: 11424

I think you will find this article and site great as well, and free of political statements: http://www.tentecwiki.org/doku.php?id=565pwrdistfail

73, Barry N1EU

On Thu, Jun 2, 2016 at 6:11 AM, 'Richard Kruse' rkruse@speednetllc.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Barry,I was given this link to A9 board discussions and ordered the
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> recommendation. I think you will find the site and article great.
> Regards,
> Dick K8GTQ
>
>
>
> webhp-sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=tentec%20a9%20board
> <https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=tentec%20a9%20board>
>
> *From:* mailto:orion565@yahoogroups.com <orion565@yahoogroups.com>
> *Sent:* Wednesday, June 01, 2016 8:16 AM
> *To:* Orion565 <orion565@yahoogroups.com>
> *Subject:* Re: Re[2]: [orion565] My Orion 2 went funky
>
>
>
> Panasonic EEU-FR1J471B
>
> Barry N1EU
>
> On Wed, Jun 1, 2016 at 7:59 AM, 'N4BE_Jim@...' n4be_jim@...
> [orion565] <orion565@yahoogroups.com> wrote:
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>

>
>
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email
&utm_content=emailclient&utm_term=icon> Virus-free.
> www.avast.com
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email
&utm_content=emailclient&utm_term=link>
>
>
>

11425. Re: Re[2]: [orion565] My Orion 2 went funky

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-02 12:56:17 UTC
From: Richard Kruse
Topic: 11418 Message: 11425

Thank You Barry,
regards,
dick K8GTQ

> On Jun 2, 2016, at 07:16, Barry N1EU barry.n1eu@... [orion565]
<orion565@yahoogroups.com> wrote:
>
> I think you will find this article and site great as well, and free of political
statements: http://www.tentecwiki.org/doku.php?id=565pwrdistfail
>
> 73, Barry N1EU
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>>

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11426. For Sale Ten Tec Orion 566 AT

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-06 00:39:48 UTC
From: tarniowy@...
Topic: 11426 Message: 11426

Hi,
I have very nice Orion II with AT (566 AT) for sale. Radio is in very good condition. All caps in A9 board and battery replaced 5 months ago. IF output for panadapter installed (z1000 buffer). Also I have remote encoder , isolation converter for rs-232 , cooling fan , Lp-pan adapter and sound card . Original box and accessory connectors included .
Price $2200 for all.

Thanks
Arek
AC2FC
tarniowy@yahoo.com

11427. My funky Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-12 14:00:06 UTC
From: Richard Kruse
Topic: 11427 Message: 11427

Gentlemen,

A couple of weeks ago I described the behavior of my Orion. Most suggestions related to replacing the caps on the power distribution board. I ordered the caps and opened up the radio and removed the board. The caps looked good (they had been replaced by TenTec a couple years after I had bought it.
Before replacing the caps I reinserted the board and checked voltages on the JP-2 connector. All voltages checked out okay All of a sudden, the radio worked! band switched, stations could be heard etc. BUT, every time I changed bands there was a loud “popping” sound coming over the speaker. I have the Auto Ant, Tuner on the rig. Normally when switching bands you can hear the click of a relay in the tuner, but never before over the speaker.

Then, a subsequent restart and it was funky – even when funky the voltages were good.. Now it is working fine again.
Does any body have any idea what I should be testing, where this Gremlin might be found. I can replace the caps if needed but really haven’t seen the “usually described systems of A9 board failure.

Here is a paste of my original post:

Thank you for past help and in advance for the problem now. I recently replaced the batteries in my Orion2 and after “securing the filters in their sockets all has been operating as it should.

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Turned it off and on it came back up on the freq. I had been at on 160 SSB. But no sounds at all. Couldn’t change bands.

I did a master reset and the rig came up on the default band at 1450. Still can’t change bands or get sounds. Menu functions work. I changed mode from ssb to cw and the rig put out a continuous cw sig. I could vary the power but could not turn the CW sig off until I changed modes back to SSB or AM etc.

I turned on my solid state amp and put the rig in cw mode. The CW sig was there as evidenced on my antenna output power meter, but my amp remained on 160. Apparently the rig is NOT sending any information to the amp over the cat cable (which is where this amp gets the info to switch bands).

Thank You, and Regards,
Dick Kruse K8GTQ

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https://www.avast.com/antivirus

11428. RE: [orion565] My funky Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-12 14:12:00 UTC
From: Wes Attaway (N5WA)
Topic: 11427 Message: 11428

It could be that one or more plug-in connectors are not making good contact. You could go through the entire radio and carefully unplug and re-plug everything you can fine. Also, I would disable the auto-tuner during the testing.

I think I would try this before doing anything else, particularly since the A9 board seems to be putting out the correct voltages.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com <http://www.attawayforensics.com>

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, June 12, 2016 9:00 AM
To: orion565@yahoogroups.com; Mike Pagel
Subject: [orion565] My funky Orion II

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<https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=oa-2322-a> www.avast.com

11429. Re: My funky Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-12 16:22:06 UTC
From: Mike Pagel
Topic: 11427 Message: 11429

Your guess is as good as mine, Dick. The suggestion about exercising all of the connectors is a good one, as I've read about issues being cured by unplugging and re-connecting every assembly and cable in sets going back to the early Omni and Corsair sets.

Pinched cables can also create these issues and a few guys ended up pinching cables when re-assembling the front of their Orions, but then their problems started AFTER re-assembly and yours PROMPTED dis-assembly.

BTW, the caps on the A9 board in my Orion looked just fine - no bulging or other visual evidence of a problem, but my flaky audio issues disappeared after replacing the caps.

73, de K9UW

------ Original Message ------
From: "Richard Kruse" <rkruse@...>
To: orion565@yahoogroups.com; "Mike Pagel" <k9uw@...>
Sent: 6/12/2016 9:00:06 AM
Subject: My funky Orion II

>Gentlemen,
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>switch bands).
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>Thank You, and Regards,
>Dick Kruse K8GTQ
>
>Virus-free. www.avast.com

11430. Paragon wants

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-12 17:44:10 UTC
From: Jim Warner
Topic: 11427 Message: 11430

Wanted: bad(even butchered) Paragon VCO boards. Will buy or trade for whole/partial inoperative 585's. Contact jim@... off list.
tnx,
Jim WA9Z

11431. Re: [orion565] My funky Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-12 23:43:40 UTC
From: Richard Kruse
Topic: 11427 Message: 11431

Good idea Wes, How do I disable the auto tuner?
regards

Dick

> On Jun 12, 2016, at 10:12, 'Wes Attaway (N5WA)' wesattaway@... [orion565] <orion565@yahoogroups.com> wrote:
>
> It could be that one or more plug-in connectors are not making good contact. You could go through the entire radio and carefully unplug and re-plug everything you can fine. Also, I would disable the auto-tuner during the testing.
>
>
>
> I think I would try this before doing anything else, particularly since the A9 board seems to be putting out the correct voltages.
>
>
>
> ----------
>
> Wes Attaway (N5WA)
>
> (318) 393-3289 - Shreveport, LA
>
> Computer/Cellphone Forensics
>
> AttawayForensics.com
>
> ----------
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Sunday, June 12, 2016 9:00 AM
> To: orion565@yahoogroups.com; Mike Pagel
> Subject: [orion565] My funky Orion II
>
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>
> Gentlemen,
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>
> A couple of weeks ago I described the behavior of my Orion. Most suggestions related to

replacing the caps on the power distribution board. I ordered the caps and opened up the radio and removed the board. The caps looked good (they had been replaced by TenTec a couple years after I had bought it.
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> Before replacing the caps I reinserted the board and checked voltages on the JP-2 connector. All voltages checked out okay All of a sudden, the radio worked! band switched, stations could be heard etc. BUT, every time I changed bands there was a loud “popping” sound coming over the speaker. I have the Auto Ant, Tuner on the rig. Normally when switching bands you can hear the click of a relay in the tuner, but never before over the speaker.
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> Then, a subsequent restart and it was funky – even when funky the voltages were good.. Now it is working fine again.
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> Does any body have any idea what I should be testing, where this Gremlin might be found. I can replace the caps if needed but really haven’t seen the “usually described systems of A9 board failure.
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> Here is a paste of my original post:
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> Thank you for past help and in advance for the problem now. I recently replaced the batteries in my Orion2 and after “securing the filters in their sockets all has been operating as it should.
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>
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> Turned it off and on it came back up on the freq. I had been at on 160 SSB. But no sounds at all. Couldn’t change bands.
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> I did a master reset and the rig came up on the default band at 1450. Still can’t change bands or get sounds. Menu functions work. I changed mode from ssb to cw and the rig put out a continuous cw sig. I could vary the power but could not turn the CW sig off until I changed modes back to SSB or AM etc.
>
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> I turned on my solid state amp and put the rig in cw mode. The CW sig was there as evidenced on my antenna output power meter, but my amp remained on 160. Apparently the rig is NOT sending any information to the amp over the cat cable (which is where this amp gets the info to switch bands).
>
>
>
> Thank You, and Regards,
>
> Dick Kruse K8GTQ
>
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>
>
> Virus-free. www.avast.com
>
>

11432. Re: [orion565] My funky Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-12 23:47:18 UTC
From: Wes Attaway
Topic: 11427 Message: 11432

I think u can disable it in one of the menus. I will check this when I am at my radio. ---------- Wes Attaway (N5WA) (318) 393-3289 - Shreveport, LA Computer/Cellphone Forensics AttawayForensics.com
-------- Original message --------
From: "Richard Kruse rkruse@speednetllc.com [orion565]"
Date:06/12/2016 6:43 PM (GMT-06:00)
To: orion565@yahoogroups.com
Subject: Re: [orion565] My funky Orion II

Good idea Wes, How do I disable the auto tuner? regards Dick On Jun 12, 2016, at 10:12, 'Wes Attaway (N5WA)' wesattaway@bellsouth.net [orion565] wrote: It could be that one or more plug-in connectors are not making good contact. You could go through the entire radio and carefully unplug and re-plug everything you can fine. Also, I would disable the auto-tuner during the testing. I think I would try this before doing anything else, particularly since the A9 board seems to be putting out the correct voltages. ---------- Wes Attaway (N5WA) (318) 393-3289 - Shreveport, LA Computer/Cellphone Forensics AttawayForensics.com ---------- From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Sent: Sunday, June 12, 2016 9:00 AM To: orion565@yahoogroups.com; Mike Pagel Subject: [orion565] My funky Orion II Gentlemen, A couple of weeks ago I described the behavior of my Orion. Most suggestions related to replacing the caps on the power distribution board. I ordered the caps and opened up the radio and removed the board. The caps looked good (they had been replaced by TenTec a couple years after I had bought it. Before replacing the caps I reinserted the board and checked voltages on the JP-2 connector. All voltages checked out okay All of a sudden, the radio worked! band switched, stations could be heard etc. BUT, every time I changed bands there was a loud “popping” sound coming over the speaker. I have the Auto Ant, Tuner on the rig. Normally when switching bands you can hear the click of a relay in the tuner, but never before over the speaker. Then, a subsequent restart and it was funky – even when funky the voltages were good.. Now it is working fine again. Does any body have any idea what I should be testing, where this Gremlin might be found. I can replace the caps if needed but really haven’t seen the “usually described systems of A9 board failure. Here is a paste of my original post: Thank you for past help and in advance for the problem now. I recently replaced the batteries in my Orion2 and after “securing the filters in their sockets all has been operating as it should. Last Thursday I was operating 160 m. SSB . All was working well. Looked at 40 and 30 CW bands for activity – no problem – a few CW Qsos. Went back to 160 SSB and chatted for a bit. Then, all of a sudden no noise, couldn’t transmit, couldn’t change bands at all. Turned it off and on it came back up on the freq. I had been at on 160 SSB. But no sounds at all. Couldn’t change bands. I did a master reset and the rig came up on the default band at 1450. Still can’t change bands or get sounds. Menu functions work. I changed mode from ssb to cw and the rig put out a continuous cw sig. I could vary the power but could not turn the CW sig off until I changed modes back to SSB or AM etc. I turned on my solid state amp and put the rig in cw mode. The CW sig was there as evidenced on my antenna output power meter, but my amp remained on 160. Apparently the rig is NOT sending any information to the amp over the cat cable (which is where this amp gets the info to switch bands). Thank You, and Regards, Dick Kruse K8GTQ Virus-free.

www.avast.com

11433. Re: [orion565] My funky Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-12 23:58:45 UTC
From: Jerry Rogers
Topic: 11427 Message: 11433

Menu, then select TX. The tuner is the first item on the menu at the top. Multi knob will select/deselect tuner.

Jerry, ki4ps

> On Jun 12, 2016, at 7:47 PM, Wes Attaway wesattaway@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> I think u can disable it in one of the menus. I will check this when I am at my radio.
>
>
> ---
> Wes Attaway (N5WA)
> (318) 393-3289 - Shreveport, LA
> Computer/Cellphone Forensics
> AttawayForensics.com <http://attawayforensics.com/>
>
> -------- Original message --------
> From: "Richard Kruse rkruse@... <mailto:rkruse@...> [orion565]"
> Date:06/12/2016 6:43 PM (GMT-06:00)
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Subject: Re: [orion565] My funky Orion II
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>> Wes Attaway (N5WA)
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>> (318) 393-3289 - Shreveport, LA
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>> AttawayForensics.com <http://www.attawayforensics.com/>
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>> Here is a paste of my original post:
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>> Thank You, and Regards,
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>> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=oa-2322-a>
>> Virus-free. www.avast.com <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=oa-2322-a>
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11434. RE: [orion565] My funky Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-13 01:52:39 UTC
From: Wes Attaway (N5WA)
Topic: 11427 Message: 11434

I checked my Orion-I and you punch MENUS > TX . You will se an option for Internal Tuner (disabled or enabled).

Rotate the Multi knob to change the setting.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com <http://www.attawayforensics.com>

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Sunday, June 12, 2016 6:44 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] My funky Orion II

Good idea Wes, How do I disable the auto tuner?

regards

Dick

On Jun 12, 2016, at 10:12, 'Wes Attaway (N5WA)' wesattaway@...
[orion565] <orion565@yahoogroups.com> wrote:

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I think I would try this before doing anything else, particularly since the A9 board seems to be putting out the correct voltages.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com <http://www.attawayforensics.com>

From: <mailto:orion565@yahoogroups.com> orion565@yahoogroups.com
[mailto:orion565@yahoogroups.com]
Sent: Sunday, June 12, 2016 9:00 AM
To: orion565@yahoogroups.com; Mike Pagel
Subject: [orion565] My funky Orion II

Gentlemen,

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Thank You, and Regards,

Dick Kruse K8GTQ

<https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=oa-2322-a>

Virus-free.
<https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=oa-2322-a> www.avast.com

11435. O2 Repairs

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-16 19:53:02 UTC
From: Steven Hammond
Topic: 11427 Message: 11435

I sent my Orion 2 in about 1 1/2 weeks ago and show it was delivered. However, I've made several attempts to email just to check on their progress (I know they are busy) but I haven't seen any replies. I was just wondering if the group has had any experience with recent repairs at Ten Tec and the turn around time.

Steven Hammond
KY5M

11436. Re: [orion565] O2 Repairs

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-16 21:41:09 UTC
From: kb9si@yahoo.com
Topic: 11427 Message: 11436

Hi
Please post the progress of your repairs. I'm sure many like me are interested .
73 K-K KB9SI

Sent from Yahoo Mail on Android

On Thu, Jun 16, 2016 at 12:53 PM, Steven Hammond bcf1689@...
[orion565]<orion565@yahoogroups.com> wrote: I sent my Orion 2 in about 1 1/2 weeks ago and show it was delivered.
However, I've made several attempts to email just to check on their
progress (I know they are busy) but I haven't seen any replies. I was
just wondering if the group has had any experience with recent repairs
at Ten Tec and the turn around time.

Steven Hammond
KY5M

Yahoo Groups Links

11437. RE: [orion565] O2 Repairs

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-16 21:55:55 UTC
From: Wayne Bethoney
Topic: 11427 Message: 11437

I spoke with someone from sales on the LL about four weeks ago. I had to e-mail them and it takes about three to four days for a reply. I was told they are in the process of moving to a better location? and once they get setup they plan to resume production.

Wayne/WC1C

To: orion565@yahoogroups.com
From: orion565@yahoogroups.com
Date: Thu, 16 Jun 2016 21:41:09 +0000
Subject: Re: [orion565] O2 Repairs

Hi
Please post the progress of your repairs. I'm sure many like me are interested .
73 K-K KB9SI

Sent from Yahoo Mail on Android
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Steven Hammond
KY5M

Yahoo Groups Links

11438. New member with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-16 23:20:27 UTC
From: Barry Simpson
Topic: 11438 Message: 11438

I joined the group a few days ago in anticipation of purchasing an Orion II from another ham here in VK.

That occurred yesterday and I am now the proud owner of a very late serial number Orion II (it was produced by the factory in July 2012) in immaculate condition.

It has the optional 1.8kHz and 600Hz roofing filters fitted and also came with the power supply/speaker and microphone.

This is my first serious TenTec rig in over 50 years on the air so I am looking forward to playing with it and I expect that this group will be a valuable source of help and information.

I have also found the TenTec Wiki site and I am also very pleased to see the new TenTec website up and running with quite a lot of information/documentation on the Orion II.

I have one quick question at this time. My Orion II has firmware version 3.029 installed. What improvements will I obtain by installing 3.033 ?

Regards

Barry Simpson VK2BJ

11439. Re: [orion565] New member with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-16 23:47:39 UTC
From: Richard Kruse
Topic: 11438 Message: 11439

Barry, welcome to the group. I absolutely love my Orion 2 and I am sure you will like yours as well.
Dick
K8GTQ

> On Jun 16, 2016, at 19:20, Barry Simpson vk2bj@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I joined the group a few days ago in anticipation of purchasing an
> Orion II from another ham here in VK.
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> 3.033 ?
>
> Regards
>
> Barry Simpson VK2BJ
>

11440. RE: [orion565] New member with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-17 00:42:28 UTC
From: Wes Attaway (N5WA)
Topic: 11438 Message: 11440

Don't worry about the specifics, just install it. It is not hard to do.

All of the upgrades have a purpose.

You can find descriptions of the changes in the Wiki.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com <http://www.attawayforensics.com>

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, June 16, 2016 6:20 PM
To: orion565@yahoogroups.com
Subject: [orion565] New member with Orion II

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version 3.029 installed. What improvements will I obtain by installing
3.033 ?

Regards

Barry Simpson VK2BJ

11441. Re: [orion565] New member with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-17 09:42:48 UTC
From: Barry N1EU
Topic: 11438 Message: 11441

I agree about just installing it. But I don't think the firmware changes are on the Wiki. If there is a description somewhere of the changes, they should be in the release notes accompanying the firmware install package.

Barry N1EU

On Thu, Jun 16, 2016 at 8:42 PM, 'Wes Attaway (N5WA)' wesattaway@... [orion565] <orion565@yahoogroups.com> wrote:

>
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> Don’t worry about the specifics, just install it. It is not hard to do.
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> All of the upgrades have a purpose.
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> You can find descriptions of the changes in the Wiki.
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>
> Wes Attaway (N5WA)
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> (318) 393-3289 - Shreveport, LA
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> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Thursday, June 16, 2016 6:20 PM
> *To:* orion565@yahoogroups.com
> *Subject:* [orion565] New member with Orion II
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> Regards
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> Barry Simpson VK2BJ
>
>
>

11442. Re: [orion565] New member with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-17 10:04:59 UTC
From: Jerry Rogers
Topic: 11438 Message: 11442
Attachments: 1 described; binary payloads are missing from this source WARC

Take a look at this. Downloaded it from the new TenTec site.

Jerry, ki4ps
Orion Ii driver

> On Jun 17, 2016, at 5:42 AM, Barry N1EU barry.n1eu@gmail.com [orion565]
<orion565@yahoogroups.com> wrote:
>
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> I agree about just installing it. But I don't think the firmware changes are on the Wiki. If there is a description somewhere of the changes, they should be in the release notes accompanying the firmware install package.
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> Barry N1EU
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> On Thu, Jun 16, 2016 at 8:42 PM, 'Wes Attaway (N5WA)' wesattaway@bellsouth.net
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> All of the upgrades have a purpose.
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> You can find descriptions of the changes in the Wiki.
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>
>
> ------------------
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> Wes Attaway (N5WA)
>
> (318) 393-3289 <tel:%28318%29%20393-3289> - Shreveport, LA
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>
> AttawayForensics.com <http://www.attawayforensics.com/>
> ------------------
>
> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>

[mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
> Sent: Thursday, June 16, 2016 6:20 PM
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Subject: [orion565] New member with Orion II
>
>
>
>
>
> I joined the group a few days ago in anticipation of purchasing an
> Orion II from another ham here in VK.
>
> That occurred yesterday and I am now the proud owner of a very late
> serial number Orion II (it was produced by the factory in July 2012)
> in immaculate condition.
>
> It has the optional 1.8kHz and 600Hz roofing filters fitted and also
> came with the power supply/speaker and microphone.
>
> This is my first serious TenTec rig in over 50 years on the air so I
> am looking forward to playing with it and I expect that this group
> will be a valuable source of help and information.
>
> I have also found the TenTec Wiki site and I am also very pleased to
> see the new TenTec website up and running with quite a lot of
> information/documentation on the Orion II.
>
> I have one quick question at this time. My Orion II has firmware
> version 3.029 installed. What improvements will I obtain by installing
> 3.033 ?
>
> Regards
>
> Barry Simpson VK2BJ
>
>
>
>
>

11443. Re: [orion565] New member with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-17 10:41:02 UTC
From: Barry N1EU
Topic: 11438 Message: 11443

That's a good list but I think it's missing the latest release 3.033xe (December 2015) information

Barry N1EU

On Fri, Jun 17, 2016 at 6:04 AM, Jerry Rogers ki4ps@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
>
> Take a look at this. Downloaded it from the new TenTec site.
>
> Jerry, ki4ps
> Orion Ii driver
>
>
> On Jun 17, 2016, at 5:42 AM, Barry N1EU barry.n1eu@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
> I agree about just installing it. But I don't think the firmware changes
> are on the Wiki. If there is a description somewhere of the changes, they
> should be in the release notes accompanying the firmware install package.
>
> Barry N1EU
>
> On Thu, Jun 16, 2016 at 8:42 PM, 'Wes Attaway (N5WA)'
> wesattaway@... [orion565] <orion565@yahoogroups.com> wrote:
>
>>
>>
>> Don’t worry about the specifics, just install it. It is not hard to do.
>>
>>
>>
>> All of the upgrades have a purpose.
>>
>>
>>
>> You can find descriptions of the changes in the Wiki.
>>
>>
>>
>> ------------------
>>

>> Wes Attaway (N5WA)
>>
>> (318) 393-3289 - Shreveport, LA
>>
>> Computer/Cellphone Forensics
>>
>> AttawayForensics.com <http://www.attawayforensics.com/>
>>
>> ------------------
>> ------------------------------
>>
>> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
>> *Sent:* Thursday, June 16, 2016 6:20 PM
>> *To:* orion565@yahoogroups.com
>> *Subject:* [orion565] New member with Orion II
>>
>>
>>
>>
>>
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>> Orion II from another ham here in VK.
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>> That occurred yesterday and I am now the proud owner of a very late
>> serial number Orion II (it was produced by the factory in July 2012)
>> in immaculate condition.
>>
>> It has the optional 1.8kHz and 600Hz roofing filters fitted and also
>> came with the power supply/speaker and microphone.
>>
>> This is my first serious TenTec rig in over 50 years on the air so I
>> am looking forward to playing with it and I expect that this group
>> will be a valuable source of help and information.
>>
>> I have also found the TenTec Wiki site and I am also very pleased to
>> see the new TenTec website up and running with quite a lot of
>> information/documentation on the Orion II.
>>
>> I have one quick question at this time. My Orion II has firmware
>> version 3.029 installed. What improvements will I obtain by installing
>> 3.033 ?
>>
>> Regards
>>
>> Barry Simpson VK2BJ
>>
>>
>
>
>

>

11444. Re: [orion565] New member with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-17 21:29:18 UTC
From: Barry Simpson
Topic: 11438 Message: 11444

Hello everyone

Thanks for all your comments and suggestions.

Barry, N1EU, please can you tell me where I can find 3.033xe. I can only find up to 3.033xd.

73

Barry VK2BJ

On 17 June 2016 at 20:41, Barry N1EU barry.n1eu@gmail.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> That's a good list but I think it's missing the latest release 3.033xe
> (December 2015) information
>
> Barry N1EU
>
> On Fri, Jun 17, 2016 at 6:04 AM, Jerry Rogers ki4ps@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>>
>> Take a look at this. Downloaded it from the new TenTec site.
>>
>> Jerry, ki4ps
>> Orion Ii driver
>>
>>
>> On Jun 17, 2016, at 5:42 AM, Barry N1EU barry.n1eu@... [orion565] <
>> orion565@yahoogroups.com> wrote:
>>
>>
>> I agree about just installing it. But I don't think the firmware changes
>> are on the Wiki. If there is a description somewhere of the changes, they
>> should be in the release notes accompanying the firmware install package.
>>
>> Barry N1EU
>>
>> On Thu, Jun 16, 2016 at 8:42 PM, 'Wes Attaway (N5WA)'
>> wesattaway@... [orion565] <orion565@yahoogroups.com> wrote:
>>

>>>
>>>
>>> Don’t worry about the specifics, just install it. It is not hard to do.
>>>
>>>
>>>
>>> All of the upgrades have a purpose.
>>>
>>>
>>>
>>> You can find descriptions of the changes in the Wiki.
>>>
>>>
>>>
>>> ------------------
>>>
>>> Wes Attaway (N5WA)
>>>
>>> (318) 393-3289 - Shreveport, LA
>>>
>>> Computer/Cellphone Forensics
>>>
>>> AttawayForensics.com <http://www.attawayforensics.com/>
>>>
>>> ------------------
>>> ------------------------------
>>>
>>> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
>>> *Sent:* Thursday, June 16, 2016 6:20 PM
>>> *To:* orion565@yahoogroups.com
>>> *Subject:* [orion565] New member with Orion II
>>>
>>>
>>>
>>>
>>>
>>> I joined the group a few days ago in anticipation of purchasing an
>>> Orion II from another ham here in VK.
>>>
>>> That occurred yesterday and I am now the proud owner of a very late
>>> serial number Orion II (it was produced by the factory in July 2012)
>>> in immaculate condition.
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>>> It has the optional 1.8kHz and 600Hz roofing filters fitted and also
>>> came with the power supply/speaker and microphone.
>>>
>>> This is my first serious TenTec rig in over 50 years on the air so I
>>> am looking forward to playing with it and I expect that this group
>>> will be a valuable source of help and information.
>>>

>>> I have also found the TenTec Wiki site and I am also very pleased to
>>> see the new TenTec website up and running with quite a lot of
>>> information/documentation on the Orion II.
>>>
>>> I have one quick question at this time. My Orion II has firmware
>>> version 3.029 installed. What improvements will I obtain by installing
>>> 3.033 ?
>>>
>>> Regards
>>>
>>> Barry Simpson VK2BJ
>>>
>>>
>>
>>
>>
>>
>
>

11445. Re: [orion565] New member with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-18 00:09:02 UTC
From: Jerry Rogers
Topic: 11438 Message: 11445

I believe when John Henry released version 3.033xe he was not with TenTec. So I think he sent out email as to what the new update did.

I need to research the old user group comments.

Jerry, ki4ps

> On Jun 17, 2016, at 5:29 PM, Barry Simpson vk2bj@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Hello everyone
>
> Thanks for all your comments and suggestions.
>
> Barry, N1EU, please can you tell me where I can find 3.033xe. I can only find up to 3.033xd.
>
> 73
>
> Barry VK2BJ
>
> On 17 June 2016 at 20:41, Barry N1EU barry.n1eu@... <mailto:barry.n1eu@...m> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
> That's a good list but I think it's missing the latest release 3.033xe (December 2015) information
>
> Barry N1EU
>
> On Fri, Jun 17, 2016 at 6:04 AM, Jerry Rogers ki4ps@... <mailto:ki4ps@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
>
> Take a look at this. Downloaded it from the new TenTec site.
>
> Jerry, ki4ps
> Orion Ii driver
>
>
>> On Jun 17, 2016, at 5:42 AM, Barry N1EU barry.n1eu@... <mailto:barry.n1eu@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>>
>>

>> I agree about just installing it. But I don't think the firmware changes are on the Wiki. If there is a description somewhere of the changes, they should be in the release notes accompanying the firmware install package.
>>
>> Barry N1EU
>>
>> On Thu, Jun 16, 2016 at 8:42 PM, 'Wes Attaway (N5WA)' wesattaway@...
<mailto:wesattaway@...> [orion565] <orion565@yahoogroups.com
<mailto:orion565@yahoogroups.com>> wrote:
>>
>>
>> Don’t worry about the specifics, just install it. It is not hard to do.
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>> You can find descriptions of the changes in the Wiki.
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>> AttawayForensics.com <http://www.attawayforensics.com/>
>> --------------------
>>
>> From: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
[mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>]
>> Sent: Thursday, June 16, 2016 6:20 PM
>> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>> Subject: [orion565] New member with Orion II
>>
>>
>>
>>
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>>
>> I joined the group a few days ago in anticipation of purchasing an
>> Orion II from another ham here in VK.
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>> That occurred yesterday and I am now the proud owner of a very late
>> serial number Orion II (it was produced by the factory in July 2012)
>> in immaculate condition.

>>
>> It has the optional 1.8kHz and 600Hz roofing filters fitted and also
>> came with the power supply/speaker and microphone.
>>
>> This is my first serious TenTec rig in over 50 years on the air so I
>> am looking forward to playing with it and I expect that this group
>> will be a valuable source of help and information.
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>> I have also found the TenTec Wiki site and I am also very pleased to
>> see the new TenTec website up and running with quite a lot of
>> information/documentation on the Orion II.
>>
>> I have one quick question at this time. My Orion II has firmware
>> version 3.029 installed. What improvements will I obtain by installing
>> 3.033 ?
>>
>> Regards
>>
>> Barry Simpson VK2BJ
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11446. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-18 21:02:20 UTC
From: Steven Hammond
Topic: 11402 Message: 11446

I'll keep that in mind for the future. I actually an email Friday (10 business days later) that said it was repaired and ready to be shipped. No explanation of what was fixed or the cost (a little scary). I tried calling the phone but it went to voicemail so I emailed them again a shipping address and my cell phone so we could talk payment (unknown at this point). But at least that say it is up and running again. I can't get wait to get it back. I've been using an ICOM 706MKII as a backup that I bought off my elmer, but it ain't the same. My ears wear out fast with it. Though it did show my OCFD (buck master) was fine with the SWR's (where the O2 was always way high). Well, hopefully, it will be here in time for Field Day!

Steven Hammond
KY5M

> On May 27, 2016, at 6:04 AM, bkemp@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> With TT in somewhat of an "unknown" place right now ....regarding repairs. I've had my Orion II down to Exline Signal in Exline, IA and Jim Warner down there had it running in short order. Found a chip on the mic. amplifier that he fixed. The rig was making a clicking sound as I'd transmit. He now is working on my Herc II I bought used! He knows his stuff, and with TT as they are right now...Jim's my man!
>
> Bob
>
> wa0vrc
>
>
>

11447. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-18 23:33:57 UTC
From: kb9si@yahoo.com
Topic: 11402 Message: 11447

What was the problem you were experiencing on the O2? Let us know what the damages are.
73K-K

Sent from Yahoo Mail on Android

On Sat, Jun 18, 2016 at 2:02 PM, Steven Hammond bcf1689@...
[orion565]<orion565@yahoogroups.com> wrote:
I'll keep that in mind for the future. I actually an email Friday (10 business days later) that said it was repaired and ready to be shipped. No explanation of what was fixed or the cost (a little scary). I tried calling the phone but it went to voicemail so I emailed them again a shipping address and my cell phone so we could talk payment (unknown at this point). But at least that say it is up and running again. I can't get wait to get it back. I've been using an ICOM 706MKII as a backup that I bought off my elmer, but it ain't the same. My ears wear out fast with it. Though it did show my OCFD (buck master) was fine with the SWR's (where the O2 was always way high). Well, hopefully, it will be here in time for Field Day!

Steven HammondKY5M

On May 27, 2016, at 6:04 AM, bkemp@... [orion565] <orion565@yahoogroups.com> wrote:

With TT in somewhat of an "unknown" place right now ....regarding repairs. I've had my Orion II down to Exline Signal in Exline, IA and Jim Warner down there had it running in short order. Found a chip on the mic. amplifier that he fixed. The rig was making a clicking sound as I'd transmit. He now is working on my Herc II I bought used! He knows his stuff, and with TT as they are right now...Jim's my man!

Bob

wa0vrc

11448. Re: [orion565] O2 Repairs

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-20 13:48:44 UTC
From: Steven Hammond
Topic: 11427 Message: 11448

O2 is on its way home! Talked to Robert Marine at TT (nice fellow). He gave me all the low down on what was fixed... I'll have the details once it arrives and I'm not for sure I have the right terminonly, but.....

1. Replaced bad 445hz filter on IF 1 stage?
2. Replaced ATU connection (bad connection)?
3. Reset SWR null and power meter settings.
4. Loosen up sub receiver knob (could barely turn it, apparently it was too close to the chasis)
5. Fix sub receiver noise (don't know the details it was just making a cyclical woosh sound)
6. Burned in testing
7. Alignment

Grand total ~$250 (that includes shipping). Should be here by FD2016 (hoping anyways).

Steven Hammond
KY5M

On 6/16/2016 4:55 PM, Wayne Bethoney wbethoney@... [orion565] wrote:
>
> I spoke with someone from sales on the LL about four weeks ago. I had
> to e-mail them and it takes about three to four days for a reply. I
> was told they are in the process of moving to a better location? and
> once they get setup they plan to resume production.
>
> &n
> bsp; Wayne/WC1C
>
> &n
> bsp;
>
> ---
> To: orion565@yahoogroups.com
> From: orion565@yahoogroups.com
> Date: Thu, 16 Jun 2016 21:41:09 +0000
> Subject: Re: [orion565] O2 Repairs
>
> Hi
>
> Please post the progress of your repairs. I'm sure many like me are
> interested .
>
> 73
> K-K

> KB9SI
>
> Sent from Yahoo Mail on Android
> <https://overview.mail.yahoo.com/mobile/?.src=Android>
>
> I sent my Orion 2 in about 1 1/2 weeks ago an d show it was
> delivered.
> However, I've made several attempts to email just to check on their
> progress (I know they are busy) but I haven't seen any replies. I
> was
> just wondering if the group has had any experience with recent
> repairs
> at Ten Tec and the turn around time.
>
> Steven Hammond
> KY5M
>
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>
> Yahoo Groups Links
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11449. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-21 15:04:25 UTC
From: Steven Hammond
Topic: 11402 Message: 11449

Here is the email with the list (and costs) of things done to the radio
to get 'er back into shape. Total turn around time about 3 weeks.
Can't wait to get it back on the air (ICOM 706 is about to make me deaf
- hi).

Steven Hammond
KY5M

==========
Hello Steven,

The repairs to your Orion II are as follows:

One hour minimum service $ 140.00
one half hour additional service $ 62.50
Replacement 255 khz filter on IF converter board $ 1.42
Repaired bad connection from auto tuner to CPU
Test on sub receiver per factory spec
Adjustment on sub receiver tune knob
adjust/align swr null for power/swr meter
Test and alignment on xmit & rcv
Test function/ operation per factory spec
Test burn-in / heat rack (passed)
Test final air check (passed)
repair cost $ 203.92
shipping $ 43.95
total $ 247.87
Thank You and 73
Robert Marine
W4NTN
==========

On 6/18/2016 6:33 PM, 'kb9si@...' kb9si@... [orion565] wrote:
>
> What was the problem you were experiencing on the O2? Let us know
> what the damages are.
>
>
> 73
> K-K
>
> Sent from Yahoo Mail on Android
> <https://overview.mail.yahoo.com/mobile/?.src=Android>
>
> I'll keep that in mind for the future. I actually an email Friday
> (10 business days later) that said it was repaired and ready to be

> shipped. No explanation of what was fixed or the cost (a little
> scary). I tried calling the phone but it went to voicemail so I
> emailed them again a shipping address and my cell phone so we
> could talk payment (unknown at this point). But at least that say
> it is up and running again. I can’t get wait to get it back.
> I’ve been using an ICOM 706MKII as a backup that I bought off my
> elmer, but it ain’t the same. My ears wear out fast with it.
> Though it did show my OCFD (buck master) was fine with the SWR’s
> (where the O2 was always way high). Well, hopefully, it will be
> here in time for Field Day!
>
>
> Steven Hammond
> KY5M
>
>> On May 27, 2016, at 6:04 AM, bkemp@... [orion565]
>> <orion565@yahoogroups.com> wrote:
>>
>>
>> With TT in somewhat of an "unknown" place right now ....regarding
>> repairs. I've had my Orion II down to Exline Signal in Exline, IA
>> and Jim Warner down there had it running in short order. Found a
>> chip on the mic. amplifier that he fixed. The rig was making a
>> clicking sound as I'd transmit. He now is working on my Herc II I
>> bought used! He knows his stuff, and with TT as they are right
>> now...Jim's my man!
>>
>> Bob
>>
>> wa0vrc
>>
>>
>
>

11450. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-21 15:30:56 UTC
From: Steven Hammond
Topic: 11402 Message: 11450

I had several issues.

1. AM Broadcast station - this was the biggie. Every time I went to transmit, I could hear WBAP (820AM) in my headsets. I didn't seem to bother the transmission but it was rather annoying having the local AM station blend with my voice in the monitor (hi).

2. Mic connector - seemed loose and sometimes I would go to transmit and it wouldn't transmit (no power) unless I gently pushed the mic connector to the left or right.

3. Sub receiver - never could get the know to loosen up and when I did try to use it, I got a constant wooshing sound that faded in/out (just annoying more than anything).

4. SWR/PWR Meter - Meter never would show the proper power (as measured against an external meter). The power readings were always LOW and the SWR's were always high.

Steven Hammond
KY5M

On 6/18/2016 6:33 PM, 'kb9si@...' kb9si@... [orion565] wrote:
>
> What was the problem you were experiencing on the O2? Let us know
> what the damages are.
>
>
> 73
> K-K
>
> Sent from Yahoo Mail on Android
> <https://overview.mail.yahoo.com/mobile/?.src=Android>
>
> I'll keep that in mind for the future. I actually an email Friday
> (10 business days later) that said it was repaired and ready to be
> shipped. No explanation of what was fixed or the cost (a little
> scary). I tried calling the phone but it went to voicemail so I
> emailed them again a shipping address and my cell phone so we
> could talk payment (unknown at this point). But at least that say
> it is up and running again. I can't get wait to get it back.
> I've been using an ICOM 706MKII as a backup that I bought off my
> elmer, but it ain't the same. My ears wear out fast with it.
> Though it did show my OCFD (buck master) was fine with the SWR's
> (where the O2 was always way high). Well, hopefully, it will be
> here in time for Field Day!

>
>
> Steven Hammond
> KY5M
>
>> On May 27, 2016, at 6:04 AM, bkemp@... [orion565]
>> <orion565@yahoogroups.com> wrote:
>>
>>
>> With TT in somewhat of an "unknown" place right now ....regarding
>> repairs. I've had my Orion II down to Exline Signal in Exline, IA
>> and Jim Warner down there had it running in short order. Found a
>> chip on the mic. amplifier that he fixed. The rig was making a
>> clicking sound as I'd transmit. He now is working on my Herc II I
>> bought used! He knows his stuff, and with TT as they are right
>> now...Jim's my man!
>>
>> Bob
>>
>> wa0vrc
>>
>>
>
>

11451. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-21 16:29:44 UTC
From: Barry N1EU
Topic: 11402 Message: 11451

On Tue, Jun 21, 2016 at 11:30 AM, Steven Hammond bcf1689@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> 3. Sub receiver - never could get the know to loosen up and when I did try
> to use it, I got a constant wooshing sound that faded in/out (just annoying
> more than anything).
>
>
>
This sounds like you're mixing audio from the main and subreceiver together
and there's a slight offset in oscillator frequency. When I listen to the
subrx, I always play it through R channel and main rx through L channel and
no whooshing.

Barry N1EU

11452. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-21 16:36:48 UTC
From: Steven Hammond
Topic: 11402 Message: 11452

That could be possible. I'll check it out when it returns. I'm hoping
to setup a separate RX antenna to it as well.

Steven Hammond
KY5M

On 6/21/2016 11:29 AM, Barry N1EU barry.n1eu@... [orion565] wrote:
>
>
> On Tue, Jun 21, 2016 at 11:30 AM, Steven Hammond bcf1689@...
> <mailto:bcf1689@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> 3. Sub receiver - never could get the know to loosen up and when I
> did try to use it, I got a constant wooshing sound that faded
> in/out (just annoying more than anything).
>
>
>
> This sounds like you're mixing audio from the main and subreceiver
> together and there's a slight offset in oscillator frequency. When I
> listen to the subrx, I always play it through R channel and main rx
> through L channel and no whooshing.
>
> Barry N1EU
>

11453. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-21 16:44:07 UTC
From: amfone
Topic: 11402 Message: 11453

Hey that is great news!!!!!!!
TimWB8UHZ

On Tuesday, June 21, 2016 4:38 PM, "Steven Hammond bcf1689@... [orion565]" <orion565@yahoogroups.com> wrote:

That could be possible. I'll check it out when it returns. I'm hoping to setup a separate RX antenna to it as well. Steven Hammond
KY5M

On 6/21/2016 11:29 AM, Barry N1EU barry.n1eu@gmail.com [orion565] wrote:

On Tue, Jun 21, 2016 at 11:30 AM, Steven Hammond bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:

3. Sub receiver - never could get the know to loosen up and when I did try to use it, I got a constant wooshing sound that faded in/out (just annoying more than anything).

This sounds like you're mixing audio from the main and subreceiver together and there's a slight offset in oscillator frequency. When I listen to the subrx, I always play it through R channel and main rx through L channel and no whooshing.
Barry N1EU

11454. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-21 16:48:42 UTC
From: Bill Fultz
Topic: 11402 Message: 11454

Ten Tec contact information?
Hi, I recently purchased a Orion 2 and have not been able to contact anyone at Ten Tec regarding having this radio checked over and making sure it is all working properly. So far it seems to be ok. Can you please let me know what phone or email you are using to contact the Service Department?
Thanks,
Bill Fultz, W7FEI

On Tuesday, June 21, 2016 9:44 AM, "amfone amfone20000@... [orion565]" <orion565@yahoogroups.com> wrote:

  Hey that is great news!!!!!!!
TimWB8UHZ

On Tuesday, June 21, 2016 4:38 PM, "Steven Hammond bcf1689@... [orion565]" <orion565@yahoogroups.com> wrote:

  That could be possible. I'll check it out when it returns. I'm hoping to setup a separate RX antenna to it as well. Steven Hammond
KY5M

On 6/21/2016 11:29 AM, Barry N1EU barry.n1eu@... [orion565] wrote:

On Tue, Jun 21, 2016 at 11:30 AM, Steven Hammond bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:

  3. Sub receiver - never could get the know to loosen up and when I did try to use it, I got a constant wooshing sound that faded in/out (just annoying more than anything).

This sounds like you're mixing audio from the main and subreceiver together and there's a slight offset in oscillator frequency. When I listen to the subrx, I always play it through R channel and main rx through L channel and no whooshing.
Barry N1EU

11455. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-21 17:14:55 UTC
From: Steven Hammond
Topic: 11402 Message: 11455

I was just using service@.... However, be aware it is not answered promptly but may take a few days. Once they gave me a RA #, it took them about a week or so to get to it and it should be back by end of week. So, it was no more than 3 weeks (which seems like an eternity - hi).

Steven Hammond
KY5M

On 6/21/2016 11:48 AM, Bill Fultz b_fultz@... [orion565] wrote:
> Ten Tec contact information?
>
> Hi, I recently purchased a Orion 2 and have not been able to contact
> anyone at Ten Tec regarding having this radio checked over and making
> sure it is all working properly. So far it seems to be ok. Can you
> please let me know what phone or email you are using to contact the
> Service Department?
>
> Thanks,
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> Bill Fultz, W7FEI
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>
> On Tuesday, June 21, 2016 9:44 AM, "amfone amfone20000@...
> [orion565]" <orion565@yahoogroups.com> wrote:
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>
> Hey that is great news!!!!!!!
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> Tim
> WB8UHZ
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> On Tuesday, June 21, 2016 4:38 PM, "Steven Hammond bcf1689@...
> [orion565]" <orion565@yahoogroups.com> wrote:
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>
> That could be possible. I'll check it out when it returns. I'm
> hoping to setup a separate RX antenna to it as well.
> Steven Hammond
> KY5M
>
> On 6/21/2016 11:29 AM, Barry N1EU barry.n1eu@...
> <mailto:barry.n1eu@...> [orion565] wrote:
>>

>>
>> On Tue, Jun 21, 2016 at 11:30 AM, Steven Hammond bcf1689@...
>> <mailto:bcf1689@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
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>> 3. Sub receiver - never could get the know to loosen up and when
>> I did try to use it, I got a constant wooshing sound that faded
>> in/out (just annoying more than anything).
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>> This sounds like you're mixing audio from the main and subreceiver
>> together and there's a slight offset in oscillator frequency. When I
>> listen to the subrx, I always play it through R channel and main rx
>> through L channel and no whooshing.
>>
>> Barry N1EU
>
>
>
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>

11456. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-21 17:23:31 UTC
From: Bill Fultz
Topic: 11402 Message: 11456

Thanks Steven,I was not able to find any information any longer on the Ten Tec site or Dishtronix regarding Ten Tec repairs. I will try sending an email and see what the response is?
73's
Bill, W7FEI

On Tuesday, June 21, 2016 10:14 AM, "Steven Hammond bcf1689@... [orion565]" <orion565@yahoogroups.com> wrote:

  I was just using service@tentec.com. However, be aware it is not answered promptly but may take a few days. Once they gave me a RA #, it took them about a week or so to get to it and it should be back by end of week. So, it was no more than 3 weeks (which seems like an eternity - hi). Steven Hammond
KY5M

On 6/21/2016 11:48 AM, Bill Fultz b_fultz@... [orion565] wrote:

  Ten Tec contact information?
Hi, I recently purchased a Orion 2 and have not been able to contact anyone at Ten Tec regarding having this radio checked over and making sure it is all working properly. So far it seems to be ok. Can you please let me know what phone or email you are using to contact the Service Department?
Thanks,
Bill Fultz, W7FEI

On Tuesday, June 21, 2016 9:44 AM, "amfone amfone20000@... [orion565]" <orion565@yahoogroups.com> wrote:

  Hey that is great news!!!!!!!
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On Tuesday, June 21, 2016 4:38 PM, "Steven Hammond bcf1689@... [orion565]" <orion565@yahoogroups.com> wrote:

  That could be possible. I'll check it out when it returns. I'm hoping to setup a separate RX antenna to it as well. Steven Hammond
KY5M

On 6/21/2016 11:29 AM, Barry N1EU barry.n1eu@... [orion565] wrote:

On Tue, Jun 21, 2016 at 11:30 AM, Steven Hammond bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:

  3. Sub receiver - never could get the know to loosen up and when I did try to use it, I got a constant wooshing sound that faded in/out (just annoying more than anything).

This sounds like you're mixing audio from the main and subreceiver together and there's a slight offset in oscillator frequency. When I listen to the subrx, I always play it

through R channel and main rx through L channel and no whooshing.
Barry N1EU

11457. RE: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-21 17:54:59 UTC
From: <bkemp@...>
Topic: 11402 Message: 11457

my 2 cents....Jim Warner - EXline Signal in Exline IA.
Has worked on my Herc II and also my Orion II. Jim is a good tech.
Fixed a clicking sound on my transmit audio...turned out to be a surface mounted chip!. No problems.and fixed it promptly.
Bob?
?;
?
?

-------- Original Message --------
Subject: Re: [orion565] Repair to Ten Tec
From: "Bill Fultz b_fultz@... [orion565]"
<orion565@yahoogroups.com>
Date: Tue, June 21, 2016 12:23 pm
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>

?

Thanks Steven,
I was not able to find any information any longer on the Ten Tec site or Dishtronix regarding Ten Tec repairs. I will try sending an email and see what the response is?

73's

Bill,? W7FEI

On Tuesday, June 21, 2016 10:14 AM, "Steven Hammond bcf1689@... [orion565]"
<orion565@yahoogroups.com> wrote:

?

I was just using service@....?? However, be aware it is not answered promptly but may take a few days.? Once they gave me a RA #, it took them about a week or so to get to it and it should be back by end of week.?; So, it was no more than 3 weeks (which seems like an eternity - hi).

Steven Hammond
KY5M

On 6/21/2016 11:48 AM, Bill Fultz b_fultz@... [orion565] wrote:

?

Ten Tec contact information?

Hi, I recently purchased a Orion 2 and have not been able to contact anyone at Ten Tec regarding having this radio checked over and making sure it is all working properly. So far it seems to be ok. Can you please let me know what phone or email you are using to contact

the Service Department?

Thanks,

Bill Fultz,? W7FEI

On Tuesday, June 21, 2016 9:44 AM, "amfone amfone20000@... [orion565]" wrote:

?

Hey that is great news!!!!!!!

Tim

WB8UHZ

On Tuesday, June 21, 2016 4:38 PM, "Steven Hammond bcf1689@... [orion565]" wrote:

?

That could be possible.? I'll check it out when it returns.? I'm hoping to setup a separate RX antenna to it as well.

Steven Hammond
KY5M

On 6/21/2016 11:29 AM, Barry N1EU barry.n1eu@... [orion565] wrote:

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On Tue, Jun 21, 2016 at 11:30 AM, Steven Hammond bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:

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3. Sub receiver - never could get the know to loosen up and when I did try to use it, I got a constant wooshing sound that faded in/out (just annoying more than anything).

This sounds like you're mixing audio from the main and subreceiver together and there's a slight offset in oscillator frequency.? When I listen to the subrx, I always play it through R channel and main rx through L channel and no whooshing.

Barry N1EU?

11458. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-21 18:08:53 UTC
From: Steven Hammond
Topic: 11402 Message: 11458

Do you mind sharing what is hourly rates are for repair?

Steven Hammond
KY5M

On 6/21/2016 12:54 PM, bkemp@... [orion565] wrote:
>
> my 2 cents....Jim Warner - EXline Signal in Exline IA.
> Has worked on my Herc II and also my Orion II. Jim is a good tech.
> Fixed a clicking sound on my transmit audio...turned out to be a
> surface mounted chip!. No problems.and fixed it promptly.
> Bob
>
>
> -------- Original Message --------
> Subject: Re: [orion565] Repair to Ten Tec
> From: "Bill Fultz b_fultz@... <mailto:b_fultz@...>
> [orion565]"
> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
> Date: Tue, June 21, 2016 12:23 pm
> To: "orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>"
> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
>
> Thanks Steven,
> I was not able to find any information any longer on the Ten Tec
> site or Dishtronix regarding Ten Tec repairs. I will try sending
> an email and see what the response is?
>
> 73's
>
> Bill, W7FEI
>
>
> On Tuesday, June 21, 2016 10:14 AM, "Steven Hammond
> bcf1689@... <mailto:bcf1689@...> [orion565]"
> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
> I was just using service@... <mailto:service@...>.
> However, be aware it is not answered promptly but may take a few
> days. Once they gave me a RA #, it took them about a week or so
> to get to it and it should be back by end of week. So, it was no
> more than 3 weeks (which seems like an eternity - hi).
> Steven Hammond
> KY5M

>
> On 6/21/2016 11:48 AM, Bill Fultz b_fultz@...
> <mailto:b_fultz@...> [orion565] wrote:
>> Ten Tec contact information?
>>
>> Hi, I recently purchased a Orion 2 and have not been able to
>> contact anyone at Ten Tec regarding having this radio checked
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>> to be ok. Can you please let me know what phone or email you are
>> using to contact the Service Department?
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>> Thanks,
>>
>> Bill Fultz, W7FEI
>>
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>> On Tuesday, June 21, 2016 9:44 AM, "amfone amfone20000@...
>> <mailto:amfone20000@...> [orion565]"
>> <orion565@yahoogroups.com> <mailto:orion565@yahoogroups.com> wrote:
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>> Hey that is great news!!!!!!!
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>> Tim
>> WB8UHZ
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>> On Tuesday, June 21, 2016 4:38 PM, "Steven Hammond
>> bcf1689@... <mailto:bcf1689@...> [orion565]"
>> <orion565@yahoogroups.com> <mailto:orion565@yahoogroups.com> wrote:
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>> That could be possible. I'll check it out when it returns. I'm
>> hoping to setup a separate RX antenna to it as well.
>> Steven Hammond
>> KY5M
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>> On 6 /21/2016 11:29 AM, Barry N1EU barry.n1eu@...
>> <mailto:barry.n1eu@...> [orion565] wrote:
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>>> On Tue, Jun 21, 2016 at 11:30 AM, Steven Hammond
>>> bcf1689@... <mai%0A%20lto:bcf1689@...> [orion565]
>>> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>>>
>>> 3. Sub receiver - never could get the know to loosen up and
>>> when I did try to use it, I got a constant wooshing sound
>>> that faded in/out (just annoying more than anything).
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>>> This sounds like you're mixing audio from the main and
>>> subreceiver together and there's a slight offset in oscillator
>>> frequency. When I listen to the subrx, I always play it through
>>> R channel and main rx through L channel and no whooshi ng.
>>>
>>> Barry N1EU
>>
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>
>

11459. RE: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-21 18:13:09 UTC
From: <bkemp@...>
Topic: 11402 Message: 11459

Drop Jim a note - I don't like speaking for him.
jim@...

KEMP REAL ESTATE
108 E. Center
Lake City, MN 55041

email:? bkemp@bobkemp.com
website: www.bobkemp.com (http://www.bobkemp.com)
?
Cell?;???651-764-4788
Office?651-345-5664
FAX????651-345-0152
?
?
?

-------- Original Message --------
Subject: Re: [orion565] Repair to Ten Tec
From: "Steven Hammond bcf1689@... [orion565]"
<orion565@yahoogroups.com>
Date: Tue, June 21, 2016 1:08 pm
To: orion565@yahoogroups.com

Do you mind sharing what is hourly rates are for repair?

Steven Hammond
KY5M

On 6/21/2016 12:54 PM, bkemp@... [orion565] wrote:

?

my 2 cents....Jim Warner - EXline Signal in Exline IA.

Has worked on my Herc II and also my Orion II. Jim is a good tech.

Fixed a clicking sound on my transmit audio...turned out to be a surface mounted chip!. No problems.and fixed it promptly.
Bob?

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-------- Original Message --------
Subject: Re: [orion565] Repair to Ten Tec
From: "Bill Fultz b_fultz@... [orion565]"
<orion565@yahoogroups.com>
Date: Tue, June 21, 2016 12:23 pm
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>

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Thanks Steven,

I was not able to find any information any longer on the Ten Tec site or Dishtronix regarding Ten Tec repairs. I will try sending an email and see what the response is?

73's

Bill,? W7FEI

On Tuesday, June 21, 2016 10:14 AM, "Steven Hammond bcf1689@... [orion565]"
<orion565@yahoogroups.com> wrote:

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I was just using service@....?? However, be aware it is not answered promptly but may take a few days.? Once they gave me a RA #, it took them about a week or so to get to it and it should be back by end of week.? So, it was no more than 3 weeks (which seems like an eternity - hi).

Steven Hammond
KY5M

On 6/21/2016 11:48 AM, Bill Fultz b_fultz@... [orion565] wrote:

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Hi, I recently purchased a Orion 2 and have not been able to contact anyone at Ten Tec regarding having this radio checked over and making sure it is all working properly. So far it seems to be ok. Can you please let me know what phone or email you are using to contact the Service Department?

Thanks,

Bill Fultz, W7FEI

On Tuesday, June 21, 2016 9:44 AM, "amfone amfone20000@... [orion565]" ; wrote:

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Hey that is great news!!!!!!!

Tim

WB8UHZ

On Tuesday, June 21, 2016 4:38 PM, "Steven Hammond bcf1689@... [orion565]" wrote:

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On 6 /21/2016 11:29 AM, Barry N1EU barry.n1eu@... [orion565] wrote:

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This sounds like you're mixing audio from the main and subreceiver together and there's a slight offset in oscillator frequency.? When I listen to the subrx, I always play it through R channel and main rx through L channel and no whooshi ng.

Barry N1EU?

11460. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-23 15:17:21 UTC
From: Steven Hammond
Topic: 11402 Message: 11460

Just FYI - O2 has shipped and will arrive (just in time for FD2016!). I can't wait to put it back into action. Yes, I took the day off as well (hi).

Steven Hammond
KY5M

On 6/21/2016 1:13 PM, bkemp@... [orion565] wrote:
>
> Drop Jim a note - I don't like speaking for him.
> jim@... <mailto:jim@...>
>
>
> **
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> **
> **
> **
> **
> **
> **
> *KEMP REAL ESTATE*
> 108 E. Center
> Lake City, MN 55041
> email: bkemp@... <mailto:bkemp@...>
> **
> website: www.bobkemp.com <http://www.bobkemp.com>
> Cell 651-764-4788
> Office 651-345-5664
> FAX 651-345-0152
>
>
> -------- Original Message --------
> Subject: Re: [orion565] Repair to Ten Tec
> From: "Steven Hammond bcf1689@... <mailto:bcf1689@...>
> [orion565]"
> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
> Date: Tue, June 21, 2016 1:08 pm
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>
> Do you mind sharing what is hourly rates are for repair?
> Steven Hammond
> KY5M
>

> On 6/21/2016 12:54 PM, bkemp@... [orion565] wrote:
>> my 2 cents....Jim Warner - EXline Signal in Exline IA.
>> Has worked on my Herc II and also my Orion II. Jim is a good tech.
>> Fixed a clicking sound on my transmit audio...turned out to be a
>> surface mounted chip!. No problems.and fixed it promptly.
>> Bob
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>> -------- Original Message --------
>> Subject: Re: [orion565] Repair to Ten Tec
>> From: "Bill Fultz b_fultz@...
>> <mailto:b_fultz@...> [orion565]"
>> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
>> Date: Tue, June 21, 2016 12:23 pm
>> To: "orion565@yahoogroups.com
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>> Thanks Steven,
>> I was not able to find any information any longer on the Ten
>> Tec site or Dishtronix regarding Ten Tec repairs. I will try
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>> 73's
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>> Bill, W7FEI
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>> On Tuesday, June 21, 2016 10:14 AM, "Steven Hammond
>> bcf1689@... [orion565]" <orion565@yahoogroups.com> wrote:
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>> I was just using service@.... However, be aware it
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>> and it should be back by end of week. So, it was no more
>> than 3 weeks (which seems like an eternity - hi).
>> Steven Hammond
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>> On 6/21/2016 11:48 AM, Bill Fultz b_fultz@...
>> [orion565] wrote:
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>> Hi, I recently purchased a Orion 2 and have not been able to
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>> Thank s,
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>> Bill Fultz, W7FEI
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>> On Tuesday, June 21, 2016 9:44 AM, "amfone
>> amfone20000@... [orion565]" <orion565@yahoogroups.com>
>> wrote:
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>> Hey that is great news!!!!!!!
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>> On Tuesday, June 21, 2016 4:38 PM, "Steven Hammond
>> bcf1689@... [orion565]" <orion565@yahoogroups.com> wrote:
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>> That could be possible. I'll check it out when it returns.
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>> Steven Hammond
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>> On 6 /21/2016 11:29 AM, Barry N1EU barry.n1eu@...
>> [orion565] wrote:
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>>> On Tue, Jun 21, 2016 at 11:30 AM, Steven Hammond
>>> bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:
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>>> 3. Sub receiver - never could get the know to loosen up
>>> and when I did try to use it, I got a constant wooshing
>>> sound that faded in/out (just annoying more than anything).
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>>> This sounds like you're mixing audio from the main and
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>>> no whooshi ng.
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>>> Barry N1EU
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11461. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-27 23:26:10 UTC
From: Steven Hammond
Topic: 11402 Message: 11461

Got the rig back from TT!

However, I noticed after a couple of calls on 20m this last weekend, that I had no power on 40m? I checked and all the swr's were fine on my OCFD. I switched the rig over to my 1500w dummy load (i.e., oil can) tried each band out at 20w using LCW mode. All the bands showed fine (internal and external meters) except 30m/40m. Both show NO power output whatsoever. I've tried enabling/disabling the tuner (which now works) and yes even a few master resets (I hope the Orion 3 will let me save my settings to a flash drive) but nothing seems to help. Am I missing something in the setup?

The invoice showed a 455Mhz filter replaced in the IF CONVERTOR?

Also, HRD will no longer connect to the rig as it did in the past (simple rs232 serial cable to pc).

Any thoughts?

Steven Hammond
KY5M

Yes, I've emailed TT and will wait to see what they say as well.

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11462. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-28 02:36:24 UTC
From: Steven Hammond
Topic: 11402 Message: 11462

Just FYI - I'm using a TT 963 P/S to supply power and a TT external speaker. The mic is the TT Regal (707?) and TT Headset pro (777). I rechecked everything out making sure there was nothing extra connected and that the dummy load and external meter were okay. Still no output on 30m/40m into the dummy load. :-(

Steven Hammond
KY5M

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11463. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-28 03:15:03 UTC
From: allen3500@...
Topic: 11402 Message: 11463

Steve,

Have you opened the radio up and checked for loose cables or connections that may have been jarred loose in shipping?
Just a thought. :-)

Good luck and 73,

Jim wb5twc

11464. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-28 11:17:25 UTC
From: Barry N1EU
Topic: 11402 Message: 11464

Not sure it would be a cable or connector if it's only on 40/30 meters.

I've never done it, but perhaps you can trace the tx signal generation with an oscilloscope while attempting to transmit a carrier on 40/30 meters.

Barry N1EU

On Mon, Jun 27, 2016 at 11:15 PM, allen3500@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Steve,
>
> Have you opened the radio up and checked for loose cables or connections
> that may have been jarred loose in shipping?
> Just a thought. :-)
>
> Good luck and 73,
>
> Jim wb5twc
>
>
>

11465. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-28 19:12:54 UTC
From: Jim Warner
Topic: 11402 Message: 11465

Assuming radio draws lots of current when keyed on 30/40 bands,
prolonged keying should be avoided until signal path to load is
corrected.

40/30m band uses a common filter on the A1 Low Pass Filter board.
Check to see that J1(8 pin connector) on that board is fully seated.

If it is, U1 Pin 4 should toggle from 0V to 11.8V when 40 or 30m band is
selected, and 0V on other bands. This is the DC signal that engages the
30/40M LPF relays.

Hopefully it's just a connector got jarred in transit.

Jim WA9Z

On 6/27/2016 9:36 PM, Steven Hammond bcf1689@... [orion565] wrote:
>
>
> Just FYI - I'm using a TT 963 P/S to supply power and a TT external
> speaker. The mic is the TT Regal (707?) and TT Headset pro (777). I
> rechecked everything out making sure there was nothing extra connected
> and that the dummy load and external meter were okay. Still no output on
> 30m/40m into the dummy load. :-(
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> Steven Hammond
> KY5M
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>
>

11466. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-28 22:36:04 UTC
From: Steven Hammond
Topic: 11402 Message: 11466

Thanks for the information. Is there a schematic that will show me what you are talking about? I've downloaded the schematics but there are so many.

Steven Hammond
KY5M

> On Jun 28, 2016, at 2:12 PM, Jim Warner jim@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Assuming radio draws lots of current when keyed on 30/40 bands,
> prolonged keying should be avoided until signal path to load is
> corrected.
>
> 40/30m band uses a common filter on the A1 Low Pass Filter board.
> Check to see that J1(8 pin connector) on that board is fully seated.
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> If it is, U1 Pin 4 should toggle from 0V to 11.8V when 40 or 30m band is
> selected, and 0V on other bands. This is the DC signal that engages the
> 30/40M LPF relays.
>
> Hopefully it's just a connector got jarred in transit.
>
> Jim WA9Z
>
> On 6/27/2016 9:36 PM, Steven Hammond bcf1689@... [orion565] wrote:
> >
> >
> > Just FYI - I'm using a TT 963 P/S to supply power and a TT external
> > speaker. The mic is the TT Regal (707?) and TT Headset pro (777). I
> > rechecked everything out making sure there was nothing extra connected
> > and that the dummy load and external meter were okay. Still no output on
> > 30m/40m into the dummy load. :-(
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> > https://www.avast.com/antivirus <https://www.avast.com/antivirus>
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11467. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-28 23:26:28 UTC
From: Steven Hammond
Topic: 11402 Message: 11467

Okay, I found what you were referring to on schematic 89109. But if I open the radio up, where will I need to look for this cable?

Steven Hammond
KY5M

> On Jun 28, 2016, at 5:36 PM, Steven Hammond <bcf1689@...> wrote:
>
> Thanks for the information. Is there a schematic that will show me what you are talking about? I’ve downloaded the schematics but there are so many.
>
> Steven Hammond
> KY5M
>
>> On Jun 28, 2016, at 2:12 PM, Jim Warner jim@... <mailto:jim@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
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>> prolonged keying should be avoided until signal path to load is
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>> 40/30m band uses a common filter on the A1 Low Pass Filter board.
>> Check to see that J1(8 pin connector) on that board is fully seated.
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>> If it is, U1 Pin 4 should toggle from 0V to 11.8V when 40 or 30m band is
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>> 30/40M LPF relays.
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>> Hopefully it's just a connector got jarred in transit.
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>> Jim WA9Z
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>> On 6/27/2016 9:36 PM, Steven Hammond bcf1689@... <mailto:bcf1689@...> [orion565] wrote:
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>> > Just FYI - I'm using a TT 963 P/S to supply power and a TT external
>> > speaker. The mic is the TT Regal (707?) and TT Headset pro (777). I
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>> > https://www.avast.com/antivirus <https://www.avast.com/antivirus>
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11468. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-29 02:25:47 UTC
From: Jim Warner
Topic: 11402 Message: 11468

Top left with the front panel towards you.

Ver 3 Owners manual Page 59 has a top and bottom layout views for the various boards.

Keep an open mind.

I have replaced that U1 relay driver IC. U1 catches hell from relay coil current, field collapse and is also exposed to Vcc, the primary 13.8 from the DC input to the radio which makes it vulnerable to external power supply spikes.

The force be with you.

Jim WA9Z

On 6/28/2016 6:26 PM, Steven Hammond bcf1689@... [orion565] wrote:
>
>
> Okay, I found what you were referring to on schematic 89109. But if I
> open the radio up, where will I need to look for this cable?
>
>
> Steven Hammond
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>> what you are talking about? I’ve downloaded the schematics but there
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>>> On Jun 28, 2016, at 2:12 PM, Jim Warner jim@...
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>>> Assuming radio draws lots of current when keyed on 30/40 bands,
>>> prolonged keying should be avoided until signal path to load is
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>>> 40/30m band uses a common filter on the A1 Low Pass Filter board.
>>> Check to see that J1(8 pin connector) on that board is fully seated.

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>>> If it is, U1 Pin 4 should toggle from 0V to 11.8V when 40 or 30m band is
>>> selected, and 0V on other bands. This is the DC signal that engages the
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11469. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-29 03:05:56 UTC
From: Steven Hammond
Topic: 11402 Message: 11469

Thanks I'll take a look at that. Just curious, if the part needs replacing, how much is it? I appreciate all the help. Even if I send it back for repair, I'd like to know more about what is happening and if I can do something to prevent it from happening again. This will give me much to look over as I sit on the beach (S. Padre Island) this week with the XYL celebrating 33 years. :-)

Steven Hammond
KY5M

> On Jun 28, 2016, at 9:25 PM, Jim Warner jim@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Top left with the front panel towards you.
>
> Ver 3 Owners manual Page 59 has a top and bottom layout views for the
> various boards.
>
> Keep an open mind.
>
> I have replaced that U1 relay driver IC. U1 catches hell from relay coil
> current, field collapse and is also exposed to Vcc, the primary 13.8
> from the DC input to the radio which makes it vulnerable to external
> power supply spikes.
>
> The force be with you.
>
> Jim WA9Z
>
> On 6/28/2016 6:26 PM, Steven Hammond bcf1689@... <mailto:bcf1689@...> [orion565] wrote:
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> > Steven Hammond
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11470. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-29 12:37:08 UTC
From: Steven Hammond
Topic: 11402 Message: 11470

Found it in my manual. Thanks! I'll take a look it next after some R&R. I'm hoping it something simple. Just a quick question. Do you if the O2 is susceptible to RFI? What I mean is this, my OCFD is outside my office window and home about 40-50' away. I know some RFI gets in the shack since I can here CW on my cheap usb PC speakers when I'm on 40m (lower frequencies). No, the radio, P/S, etc are not grounded. I plan on adding a strip on my desk to ground the equipment to a ground rod outside my window. But I was wondering if the stray RFI could be causing some issues on the O2. I've never had any issues with the other rigs (Yaesu, Icom) but was just wondering.

73
Steven Hammond
KY5M

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> Jim WA9Z
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11471. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-29 12:45:05 UTC
From: Barry N1EU
Topic: 11402 Message: 11471

You need to use an effective common mode choke on the OCFD feedline. Are you?

Barry N1EU

On Wed, Jun 29, 2016 at 8:37 AM, Steven Hammond bcf1689@gmail.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Found it in my manual. Thanks! I'll take a look it next after some R&R.
> I'm hoping it something simple. Just a quick question. Do you if the O2
> is susceptible to RFI? What I mean is this, my OCFD is outside my office
> window and home about 40-50' away. I know some RFI gets in the shack since
> I can here CW on my cheap usb PC speakers when I'm on 40m (lower
> frequencies). No, the radio, P/S, etc are not grounded. I plan on adding
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> 73
> Steven Hammond
> KY5M
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11472. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-29 13:52:55 UTC
From: Steven Hammond
Topic: 11402 Message: 11472

Well, no. According to the folks at BUCMASTER who make the 7 band OCFD (3KW version), it is not needed. The 6:1 balun is suppose to be sufficient. It's not a Windom OCFD. However, I'm open to suggestions as to a good common mode choke. Any input would be greatly appreciated.

Steven Hammond
KY5M

On 6/29/2016 7:45 AM, Barry N1EU barry.n1eu@... [orion565] wrote:
> You need to use an effective common mode choke on the OCFD feedline.
> Are you?
>
> Barry N1EU
>
> On Wed, Jun 29, 2016 at 8:37 AM, Steven Hammond bcf1689@...
> <mailto:bcf1689@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
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> Found it in my manual. Thanks! I'll take a look it next after
> some R&R. I'm hoping it something simple. Just a quick
> question. Do you if the O2 is susceptible to RFI? What I mean
> is this, my OCFD is outside my office window and home about 40-50'
> away. I know some RFI gets in the shack since I can here CW on my
> cheap usb PC speakers when I'm on 40m (lower frequencies). No,
> the radio, P/S, etc are not grounded. I plan on adding a strip on
> my desk to ground the equipment to a ground rod outside my
> window. But I was wondering if the stray RFI could be causing
> some issues on the O2. I've never had any issues with the other
> rigs (Yaesu, Icom) but was just wondering.
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> 73
> Steven Hammond
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> On 6/28/2016 9:25 PM, Jim Warner jim@...
> <mailto:jim@...> [orion565] wrote:
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>> Top left with the front panel towards you.
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>> Keep an open mind.
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>> I have replaced that U1 relay driver IC. U1 catches hell from

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11473. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-29 14:12:11 UTC
From: Barry N1EU
Topic: 11402 Message: 11473

Everything I know about OCFD I learned from Rick DJ0IP, so you might want to check the September 2015 list archives at lists.contesting.com and read through his postings.

Bottom line is that the OCFD is very prone to common mode problems, made worse by the use of a voltage balun at the feedpoint like the Buckmaster uses. For more convincing, just google "OCFD" and "feedline radiation".

Barry N1EU

On Wed, Jun 29, 2016 at 9:52 AM, Steven Hammond bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:

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> Well, no. According to the folks at BUCMASTER who make the 7 band OCFD
> (3KW version), it is not needed. The 6:1 balun is suppose to be
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>> Keep an open mind.
>>
>> I have replaced that U1 relay driver IC. U1 catches hell from relay coil
>> current, field collapse and is also exposed to Vcc, the primary 13.8
>> from the DC input to the radio which makes it vulnerable to external
>> power supply spikes.
>>
>> The force be with you.
>>
>> Jim WA9Z
>>
>> On 6/28/2016 6:26 PM, Steven Hammond bcf1689@... [orion565] wrote:
>> >
>> >
>> > Okay, I found what you were referring to on schematic 89109. But if I
>> > open the radio up, where will I need to look for this cable?
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>> >
>> > Steven Hammond
>> > KY5M
>> >
>> >> On Jun 28, 2016, at 5:36 PM, Steven Hammond < <bcf1689@...>
>> bcf1689@...
>> >> <mailto:bcf1689@...> <bcf1689@...>> wrote:
>> >>
>> >> Thanks for the information. Is there a schematic that will show me
>> >> what you are talking about? I’ve downloaded the schematics but there
>> >> are so many.
>> >>
>> >> Steven Hammond
>> >> KY5M
>> >>
>> >>> On Jun 28, 2016, at 2:12 PM, Jim Warner <jim@...>
>> jim@...
>> >>> <jim@...><mailto:jim@...>
>> <jim@exlinesignal.com> [orion565] < <orion565@yahoogroups.com>

>> orion565@yahoogroups.com
>> >>> <orion565@yahoogroups.com><mailto:orion565@yahoogroups.com>
>> <orion565@yahoogroups.com>> wrote:
>> >>>
>> >>> Assuming radio draws lots of current when keyed on 30/40 bands,
>> >>> prolonged keying should be avoided until signal path to load is
>> >>> corrected.
>> >>>
>> >>> 40/30m band uses a common filter on the A1 Low Pass Filter board.
>> >>> Check to see that J1(8 pin connector) on that board is fully seated.
>> >>>
>> >>> If it is, U1 Pin 4 should toggle from 0V to 11.8V when 40 or 30m band
>> is
>> >>> selected, and 0V on other bands. This is the DC signal that engages
>> the
>> >>> 30/40M LPF relays.
>> >>>
>> >>> Hopefully it's just a connector got jarred in transit.
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>> >>> Jim WA9Z
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>> >>> <bcf1689@...><mailto:bcf1689@...> <bcf1689@...>
>> [orion565] wrote:
>> >>> >
>> >>> >
>> >>> > Just FYI - I'm using a TT 963 P/S to supply power and a TT external
>> >>> > speaker. The mic is the TT Regal (707?) and TT Headset pro (777). I
>> >>> > rechecked everything out making sure there was nothing extra
>> connected
>> >>> > and that the dummy load and external meter were okay. Still no
>> >>> output on
>> >>> > 30m/40m into the dummy load. :-(
>> >>> >
>> >>> > Steven Hammond
>> >>> > KY5M
>> >>> >
>> >>> > ---
>> >>> > This email has been checked for viruses by Avast antivirus software.
>> >>> > <https://www.avast.com/antivirus>https://www.avast.com/antivirus
>> >>> >
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11474. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-29 14:24:36 UTC
From: Steven Hammond
Topic: 11402 Message: 11474

Ok, no problem. I've always wondered about the VOLTAGE BALUN they use and why current one wasn't used or needed. I'll take a look at dx engineering for a balun (unless someone on the list has some recommendations).

Steven Hammond
KY5M

On 6/29/2016 9:12 AM, Barry N1EU barry.n1eu@... [orion565] wrote:
> Everything I know about OCFD I learned from Rick DJ0IP, so you might
> want to check the September 2015 list archives at lists.contesting.com
> <http://lists.contesting.com> and read through his postings.
>
> Bottom line is that the OCFD is very prone to common mode problems,
> made worse by the use of a voltage balun at the feedpoint like the
> Buckmaster uses. For more convincing, just google "OCFD" and
> "feedline radiation".
>
> Barry N1EU
>
> On Wed, Jun 29, 2016 at 9:52 AM, Steven Hammond bcf1689@...
> <mailto:bcf1689@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> Well, no. According to the folks at BUCMASTER who make the 7 band
> OCFD (3KW version), it is not needed. The 6:1 balun is suppose to
> be sufficient. It's not a Windom OCFD. However, I'm open to
> suggestions as to a good common mode choke. Any input would be
> greatly appreciated.
>
> Steven Hammond
> KY5M
>
>
> On 6/29/2016 7:45 AM, Barry N1EU barry.n1eu@...
> <mailto:barry.n1eu@...> [orion565] wrote:
>> You need to use an effective common mode choke on the OCFD
>> feedline. Are you?
>>
>> Barry N1EU
>>
>> On Wed, Jun 29, 2016 at 8:37 AM, Steven Hammond bcf1689@...
>> <mailto:bcf1689@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
>>

>> Found it in my manual. Thanks! I'll take a look it next
>> after some R&R. I'm hoping it something simple. Just a quick
>> question. Do you if the O2 is susceptible to RFI? What I
>> mean is this, my OCFD is outside my office window and home
>> about 40-50' away. I know some RFI gets in the shack since I
>> can here CW on my cheap usb PC speakers when I'm on 40m
>> (lower frequencies). No, the radio, P/S, etc are not
>> grounded. I plan on adding a strip on my desk to ground the
>> equipment to a ground rod outside my window. But I was
>> wondering if the stray RFI could be causing some issues on
>> the O2. I've never had any issues with the other rigs
>> (Yaesu, Icom) but was just wondering.
>>
>> 73
>> Steven Hammond
>> KY5M
>>
>> On 6/28/2016 9:25 PM, Jim Warner jim@...
>> <mailto:jim@...> [orion565] wrote:
>>>
>>> Top left with the front panel towards you.
>>>
>>> Ver 3 Owners manual Page 59 has a top and bottom layout
>>> views for the
>>> various boards.
>>>
>>> Keep an open mind.
>>>
>>> I have replaced that U1 relay driver IC. U1 catches hell
>>> from relay coil
>>> current, field collapse and is also exposed to Vcc, the
>>> primary 13.8
>>> from the DC input to the radio which makes it vulnerable to
>>> external
>>> power supply spikes.
>>>
>>> The force be with you.
>>>
>>> Jim WA9Z
>>>
>>> On 6/28/2016 6:26 PM, Steven Hammond bcf1689@...
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>>> >
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>>> > Steven Hammond

>>> > KY5M
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>>> >> Thanks for the information. Is there a schematic that
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>>> >> are so many.
>>> >>
>>> >> Steven Hammond
>>> >> KY5M
>>> >>
>>> >>> On Jun 28, 2016, at 2:12 PM, Jim Warner
>>> jim@... <mailto:jim@...>
>>> >>> <mailto:jim@...>
>>> <mailto:jim@...> [orion565]
>>> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>>> >>> <mailto:orion565@yahoogroups.com>
>>> <mailto:orion565@yahoogroups.com>> wrote:
>>> >>>
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>>> bands,
>>> >>> prolonged keying should be avoided until signal path to
>>> load is
>>> >>> corrected.
>>> >>>
>>> >>> 40/30m band uses a common filter on the A1 Low Pass
>>> Filter board.
>>> >>> Check to see that J1(8 pin connector) on that board is
>>> fully seated.
>>> >>>
>>> >>> If it is, U1 Pin 4 should toggle from 0V to 11.8V when
>>> 40 or 30m band is
>>> >>> selected, and 0V on other bands. This is the DC signal
>>> that engages the
>>> >>> 30/40M LPF relays.
>>> >>>
>>> >>> Hopefully it's just a connector got jarred in transit.
>>> >>>
>>> >>> Jim WA9Z
>>> >>>
>>> >>> On 6/27/2016 9:36 PM, Steven Hammond bcf1689@...
>>> <mailto:bcf1689@...>
>>> >>> <mailto:bcf1689@...> <mailto:bcf1689@...>
>>> [orion565] wrote:
>>> >>> >
>>> >>> >

>>> >>> > Just FYI - I'm using a TT 963 P/S to supply power and
>>> a TT external
>>> >>> > speaker. The mic is the TT Regal (707?) and TT Headset
>>> pro (777). I
>>> >>> > rechecked everything out making sure there was nothing
>>> extra connected
>>> >>> > and that the dummy load and external meter were okay.
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11475. Re: [orion565] Repair to Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-06-29 15:01:44 UTC
From: Jim Warner
Topic: 11402 Message: 11475

First read and I thought you said sitting on the BENCH on S Padre,
and I'm thinkin...What?
Then I re-read and saw BEACH. That's better.
33 for us too. Congrats!

I don't have an Orion in right now and don't recall if there's enough
slack to jumper the PA coax over the filter board to bypass it, but
that's the quick confirmation.
The radio's drawing heavy current on 40/30 TX, so we'll assume
the PA is making 30/40 power and stick with a simple VOM drill down of
the LPF board.

Make DC measurements against chassis ground and measure resistance
with radio turned off.
If you determine there IS DC output from U1-4 on the 30/40 line, check
it across L28. If you have it there, need to see if the relays are good.
Turn off the radio.

Each coil is about 250 ohms, and they're in parallel, so you should see
about half that in resistance on Pin 4 of U1. About 120-140 ohms. If you
see around 250 ohms, one of the two relay coils is open.
You can check the other filter control lines to compare. They should all
be about the same.

If the relay coils check good, then move on to confirm both relays
are mechanically closing.

Put an ohm meter probe to the center pin of J4(PA IN) and the other
probe to the common terminal of the K6 relay. QSY through all bands.
There should be continuity on all bands.

Enjoy the celebration.
Jim WA9Z

On 6/28/2016 10:05 PM, Steven Hammond bcf1689@... [orion565] wrote:
>
>
> Thanks I’ll take a look at that. Just curious, if the part needs
> replacing, how much is it? I appreciate all the help. Even if I send
> it back for repair, I’d like to know more about what is happening and if
> I can do something to prevent it from happening again. This will give
> me much to look over as I sit on the beach (S. Padre Island) this week
> with the XYL celebrating 33 years. :-)
>
>
> Steven Hammond
> KY5M

>
>> On Jun 28, 2016, at 9:25 PM, Jim Warner jim@...
>> <mailto:jim@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
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>> Top left with the front panel towards you.
>>
>> Ver 3 Owners manual Page 59 has a top and bottom layout views for the
>> various boards.
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>> Keep an open mind.
>>
>> I have replaced that U1 relay driver IC. U1 catches hell from relay coil
>> current, field collapse and is also exposed to Vcc, the primary 13.8
>> from the DC input to the radio which makes it vulnerable to external
>> power supply spikes.
>>
>> The force be with you.
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>> Jim WA9Z
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>> On 6/28/2016 6:26 PM, Steven Hammond bcf1689@...
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>> >> Thanks for the information. Is there a schematic that will show me
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>> >> Steven Hammond
>> >> KY5M
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>> >>> On Jun 28, 2016, at 2:12 PM, Jim Warner jim@...
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>> >>> <mailto:jim@...> [orion565] <orion565@yahoogroups.com
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>> >>> <mailto:orion565@yahoogroups.com>> wrote:
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>> >>> Assuming radio draws lots of current when keyed on 30/40 bands,

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>> >>> > https://www.avast.com/antivirus
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11476. re: OFF TOPIC

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-05 21:42:39 UTC
From: <k3cc@...>
Topic: 11476 Message: 11476

I need help with a Yaesu FT950 does nothing needs repair...
any ideas ? It would be great for my portable rig as ARES and paNBEMS
digital stuff

de K3CC Skip hams@...

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11477. Remote Tuning Knob or Pod - 302R ?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-10 02:07:08 UTC
From: Barry Simpson
Topic: 11477 Message: 11477

I am getting used to my new Orion II and have now installed the very latest firmware. I really like the S Meter operation which now matches the functionality of my K3.

My Orion is sitting on a shelf elevated about 300mm (one foot) above my operating desk so I very quickly get arm ache from tuning it. Ideally I would like a remote tuning knob or pod sitting on the desk but I am not sure which is the matching model for the Orion II. I think it is the 302R but I should appreciate someone's confirmation on this.

Also I would like some feedback on how well or otherwise it performs and if there are any drawbacks.

Assuming not, then if anyone has one for sale, I should be happy to pay a reasonable price, including air freight from the USA on the assumption that no one in Australia has one available.

73 to all

Barry Simpson VK2BJ

11478. Re: [orion565] Remote Tuning Knob or Pod - 302R ?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-10 18:34:32 UTC
From: Barry N1EU
Topic: 11477 Message: 11478

Yes, 302R is the correct tuning knob for the Orion II and it works quite
well.

Barry N1EU

On Sun, Jul 10, 2016 at 2:07 AM, Barry Simpson vk2bj@optusnet.com.au
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> I am getting used to my new Orion II and have now installed the very
> latest firmware. I really like the S Meter operation which now matches the
> functionality of my K3.
>
> My Orion is sitting on a shelf elevated about 300mm (one foot) above my
> operating desk so I very quickly get arm ache from tuning it. Ideally I
> would like a remote tuning knob or pod sitting on the desk but I am not
> sure which is the matching model for the Orion II. I think it is the 302R
> but I should appreciate someone's confirmation on this.
>
> Also I would like some feedback on how well or otherwise it performs and
> if there are any drawbacks.
>
> Assuming not, then if anyone has one for sale, I should be happy to pay a
> reasonable price, including air freight from the USA on the assumption that
> no one in Australia has one available.
>
> 73 to all
>
> Barry Simpson VK2BJ
>
>
>

11479. Re: [orion565] Remote Tuning Knob or Pod - 302R ?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-11 02:42:14 UTC
From: denton sprague
Topic: 11477 Message: 11479

investigate getting a dedicated laptop and running N4PY’s or other control software…will do loads more than the remote knob.

> On Jul 10, 2016, at 11:34 AM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Yes, 302R is the correct tuning knob for the Orion II and it works quite well.
>
> Barry N1EU
>
> On Sun, Jul 10, 2016 at 2:07 AM, Barry Simpson vk2bj@... <mailto:vk2bj@optusnet.com.au> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
> I am getting used to my new Orion II and have now installed the very latest firmware. I really like the S Meter operation which now matches the functionality of my K3.
>
> My Orion is sitting on a shelf elevated about 300mm (one foot) above my operating desk so I very quickly get arm ache from tuning it. Ideally I would like a remote tuning knob or pod sitting on the desk but I am not sure which is the matching model for the Orion II. I think it is the 302R but I should appreciate someone's confirmation on this.
>
> Also I would like some feedback on how well or otherwise it performs and if there are any drawbacks.
>
> Assuming not, then if anyone has one for sale, I should be happy to pay a reasonable price, including air freight from the USA on the assumption that no one in Australia has one available.
>
> 73 to all
>
> Barry Simpson VK2BJ
>
>
>
>

11480. Re: [orion565] Remote Tuning Knob or Pod - 302R ?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-11 04:26:08 UTC
From: kb9si@yahoo.com
Topic: 11477 Message: 11480

This is to the VK2 who wants a 302r encoder for orion 2. Contact me I have one to sell.
73K-K KB9SI

Sent from Yahoo Mail on Android

On Sun, Jul 10, 2016 at 7:42 PM, denton sprague denton@...
[orion565]<orion565@yahoogroups.com> wrote:
investigate getting a dedicated laptop and running N4PY’s or other control software…will do loads more than the remote knob.

On Jul 10, 2016, at 11:34 AM, Barry N1EU barry.n1eu@... [orion565]
<orion565@yahoogroups.com> wrote:

Yes, 302R is the correct tuning knob for the Orion II and it works quite well.
Barry N1EU
On Sun, Jul 10, 2016 at 2:07 AM, Barry
Simpson vk2bj@... [orion565] <orion565@yahoogroups.com> wrote:

I am getting used to my new Orion II and have now installed the very latest firmware. I really like the S Meter operation which now matches the functionality of my K3.
My Orion is sitting on a shelf elevated about 300mm (one foot) above my operating desk so I very quickly get arm ache from tuning it. Ideally I would like a remote tuning knob or pod sitting on the desk but I am not sure which is the matching model for the Orion II. I think it is the 302R but I should appreciate someone's confirmation on this.
Also I would like some feedback on how well or otherwise it performs and if there are any drawbacks.
Assuming not, then if anyone has one for sale, I should be happy to pay a reasonable price, including air freight from the USA on the assumption that no one in Australia has one available.
73 to all
Barry Simpson VK2BJ

11481. Impurities on receive and transmit signals

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-18 01:08:35 UTC
From: dmoorman4@...
Topic: 11481 Message: 11481

Hello all. New Orion 565AT owner here, and like it very much. Very flexible rig!

I've noticed that there is slight impurity (buzz?) on the Orion CW signal on transmit and also on CW signals being received. This shows up when receiving the Orion with a K3 and a KX3, and when listening to the K3 and KX3 with the Orion. It happens with more than one power supply and with antenna or dummy load.

Has anyone run across a symptom like this?

Thanks,

Dave K9SW

11482. Re: [orion565] Impurities on receive and transmit signals

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-18 10:59:09 UTC
From: Barry Simpson
Topic: 11481 Message: 11482

Hi Dave

I am also a very new owner of a second hand late model (2012) Orion II.

I have not noticed such "roughness" on mine and both received and transmit signals seem very pure.

Someone with more experience might be able to help.

How old is the Orion II as I have seen references to certain capacitors needing replacement as the rig ages.

73

Barry VK2BJ

On 18 July 2016 at 11:08, dmoorman4@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hello all. New Orion 565AT owner here, and like it very much. Very
> flexible rig!
>
>
> I've noticed that there is slight impurity (buzz?) on the Orion CW signal
> on transmit and also on CW signals being received. This shows up when
> receiving the Orion with a K3 and a KX3, and when listening to the K3 and
> KX3 with the Orion. It happens with more than one power supply and with
> antenna or dummy load.
>
>
> Has anyone run across a symptom like this?
>
>
> Thanks,
>
>
> Dave K9SW
>
>
>

11483. Re: Impurities on receive and transmit signals

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-18 14:55:29 UTC
From: w3on@...
Topic: 11481 Message: 11483

Hi
I also have that problem. To fix it, turn OFF the AN feature. Use the AN feature only when you need to too get rid of tuner uppers.

73 de Chuck W3ON

11484. Re: [orion565] Impurities on receive and transmit signals

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-18 13:13:12 UTC
From: Jim Warner
Topic: 11481 Message: 11484

For Orions of unknown maintenance background, anything related to buzzing, humming, intermittent boot, and illumination, the first thing to do is replace the three large capacitors on the A9 power distribution board. This is a well known problem that affects nearly every Orion radio with some hours on them.

Smooth power distribution in the rig will greatly reduce a lot of speculation.

Let us know how it goes.

Jim WA9Z

On 7/18/2016 5:59 AM, Barry Simpson vk2bj@... [orion565] wrote:
>
>
> Hi Dave
>
> I am also a very new owner of a second hand late model (2012) Orion II.
>
> I have not noticed such "roughness" on mine and both received and
> transmit signals seem very pure.
>
> Someone with more experience might be able to help.
>
> How old is the Orion II as I have seen references to certain capacitors
> needing replacement as the rig ages.
>
> 73
>
> Barry VK2BJ
>
> On 18 July 2016 at 11:08, dmoorman4@...
> <mailto:dmoorman4@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> --
>
>
> Hello all. New Orion 565AT owner here, and like it very much. Very
> flexible rig!
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>
> I've noticed that there is slight impurity (buzz?) on the Orion CW
> signal on transmit and also on CW signals being received. This
> shows up when receiving the Orion with a K3 and a KX3, and when

> listening to the K3 and KX3 with the Orion. It happens with more
> than one power supply and with antenna or dummy load.
>
>
> Has anyone run across a symptom like this?
>
>
> Thanks,
>
>
> Dave K9SW
>
>
>

11485. Re: [orion565] Re: Impurities on receive and transmit signals

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-18 15:22:25 UTC
From: Barry N1EU
Topic: 11481 Message: 11485

Why would AN affect his transmit signal?

Barry N1EU

On Mon, Jul 18, 2016 at 10:55 AM, w3on@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hi
> I also have that problem. To fix it, turn OFF the AN feature. Use the AN
> feature
> only when you need to too get rid of tuner uppers.
>
> 73 de Chuck W3ON
>
>

11486. 302R

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-27 11:40:01 UTC
From: Barry Simpson
Topic: 11486 Message: 11486

I have just received my 302R remote tuning pod from a US seller. It is in great condition and works perfectly. In fact it is much more versatile (with my Orion II) than I expected including band changing as well as various programmable functions.

So I am enjoying my Orion even more now.

Barry VK2BJ

11487. Wanted: O2 LCD

Yahoo group: orion565 (2014 — 2017)
Date: 2016-07-28 15:06:39 UTC
From: Jim Warner
Topic: 11487 Message: 11487

Anyone have a 566 parts unit with a good LCD they'd care to sell?
Shipping is IA 52555

Jim WA9Z

11488. Re: [orion565] Impurities on receive and transmit signals

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-01 23:49:05 UTC
From: David Moorman
Topic: 11481 Message: 11488

Thanks, Jim. I have read about the trouble with the caps on the A9 board. I'll give it a try.

Dave K9SW

> On Jul 18, 2016, at 8:13 AM, Jim Warner jim@... <mailto:jim@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
> For Orions of unknown maintenance background, anything related to
> buzzing, humming, intermittent boot, and illumination, the first thing
> to do is replace the three large capacitors on the A9 power distribution
> board. This is a well known problem that affects nearly every Orion
> radio with some hours on them.
>
> Smooth power distribution in the rig will greatly reduce a lot of
> speculation.
>
> Let us know how it goes.
>
> Jim WA9Z

11489. FS: Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-04 20:24:12 UTC
From: Barry N1EU
Topic: 3892 Message: 11489

I've got a nice Orion II for sale, with or without the RX-366 subreceiver.

Details here:
http://swap.qth.com/search-results.php?keywords=http%3A%2F%2Fgoo.gl%2FQNOGxL&fieldtosearch=titleordesc

Please respond directly, off-list

73, Barry N1EU

11490. Orion for parts

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-05 13:41:09 UTC
From: n8fl@...
Topic: 11490 Message: 11490

I have an original Orion that just got back from Ten Tec, after a power supply sent high voltage through it . Ten tec told me the Logic board was bad and it would cost more to repair than its worth.. most of the front panel buttons work and will power up , but has no receive or transmit. Can any one tell me what the worth would be for parts ? If this shows up twice on the reflector , sorry , I don't know what happened the first time ..
thanks...
N8FL

11491. Orion for parts

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-05 12:12:23 UTC
From: n8fl@...
Topic: 11490 Message: 11491

Gentlemen:
I have an original Orion, that just got back form ten tec after a power supply short that sent high voltage to the Logic board & .Ten Tec tells me its not feasible to repair due to the cost of that board,. anyone know the value as a parts Rig? It does still power up and most buttons seam to work on the front of the radio, but it has no receive or output power...
Thanks , N8FL

11492. WTB: A9 PWR DIST Board

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-10 17:50:35 UTC
From: wa6iaf@...
Topic: 11492 Message: 11492

Hi All !
I want to buy an A9 Power Distribution Board for my 01 565. If I understand correct, a board from either a 565 or a 566 will work. The caps are fine on my board, it's one of the SMD zeners on the underside which are temp sensitive. Since I have not worked much with SMD components I'd like to have a spare just in case.
Thanks,
Paul
WA6IAF at gmail dot com.

PS: Just moved to new QTH and will not have email or DSL until this Friday, the 12th.

11493. Re: Orion for parts

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-10 17:54:00 UTC
From: wa6iaf@...
Topic: 11490 Message: 11493

N8FL,
Do you want to part it out?
If so, I'm in need of the A9 power dist. board.
Thanks,
Paul.
WA6IAF at gmail dot com

11494. Re: [orion565] WTB: A9 PWR DIST Board

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-10 18:38:39 UTC
From: Jim Warner
Topic: 11492 Message: 11494

Exline Signal In Iowa is factory trained to do SMD component level repair. Don't scrap those boards! There's only so many left.
Jim

On 8/10/2016 12:50 PM, wa6iaf@... [orion565] wrote:
>
>
> Hi All !
> I want to buy an A9 Power Distribution Board for my O1 565. If I understand correct, a board from either a 565 or a 566 will work. The caps are fine on my board, it's one of the SMD zeners on the underside which are temp sensitive. Since I have not worked much with SMD components I'd like to have a spare just in case.
> Thanks,
> Paul
> WA6IAF at gmail dot com.
>
> PS: Just moved to new QTH and will not have email or DSL until this Friday, the 12th.
>
>
>

11495. Re: [orion565] Re: Orion for parts

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-11 15:04:11 UTC
From: Alan
Topic: 11490 Message: 11495

HI Paul.. NO I won’t part it out but I
will sell the radio..I am going to make video of it this Saturday showing what works on the screen etc.. $350 plus shipping will take it..
Alan /N8FL

From: mailto:orion565@yahoogroups.com
Sent: Wednesday, August 10, 2016 1:54 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Orion for parts

N8FL,
Do you want to part it out?
If so, I'm in need of the A9 power dist. board.
Thanks,
Paul.
WA6IAF at gmail dot com

11496. Re: [orion565] Re: Orion for parts

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-11 15:09:06 UTC
From: denton sprague
Topic: 11490 Message: 11496

can I get you to send me a brief description of what your orion is doing/not doing? Have an Orion with flakey sub receiver so am looking to secure parts rig…thanks...
> On Aug 11, 2016, at 8:04 AM, 'Alan' n8fl@frontier.com [orion565] <orion565@yahoogroups.com> wrote:
>
>
> HI Paul.. NO I won’t part it out but I
> will sell the radio..I am going to make video of it this Saturday showing what works on the screen etc.. $350 plus shipping will take it..
> Alan /N8FL
>
> From: mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Sent: Wednesday, August 10, 2016 1:54 PM
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Subject: [orion565] Re: Orion for parts
>
>
> N8FL,
> Do you want to part it out?
> If so, I'm in need of the A9 power dist. board.
> Thanks,
> Paul.
> WA6IAF at gmail dot com
>
>
>

11497. Re: [orion565] Re: Orion for parts

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-11 17:16:07 UTC
From: n8fl@frontier.com
Topic: 11490 Message: 11497

Yea .if you can give me till Friday or Saturday I'll show some videos of what it does and does not do...yes I have paypal.
Sent from my LG G2, an AT&T 4G LTE smartphone

------ Original message------From: denton sprague denton@oregontrail.net ... Date: Thu, Aug 11, 2016 11:09 AMTo: orion565@yahoogroups.com;Subject:Re: [orion565] Re: Orion for parts
  can I get you to send me a brief description of what your orion is doing/not doing? Have an Orion with flakey sub receiver so am looking to secure parts rig…thanks...
On Aug 11, 2016, at 8:04 AM, 'Alan' n8fl@frontier.com [orion565] <orion565@yahoogroups.com> wrote:

HI Paul.. NO I won’t part it out but Iwill sell the radio...I am going to make video of it this Saturday showing what works on the screen etc.. $350 plus shipping will take it..Alan /N8FL From: mailto:orion565@yahoogroups.comSent: Wednesday, August 10, 2016 1:54 PMTo: orion565@yahoogroups.comSubject: [orion565] Re: Orion for parts N8FL,
Do you want to part it out?
If so, I'm in need of the A9 power dist. board.
Thanks,
Paul.
WA6IAF at gmail dot com

11498. Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-12 17:01:08 UTC
From: b_fultz@...
Topic: 11498 Message: 11498

Hello all,

I acquired an Orion 2 from an estate sale and had some initial issues but most all were solved when I replaced the back-up battery. This appears to be an early 2007 model and the software it is running is version 2.06b14. My question is can I download the most current firmware directly to this version or do I have to download it in several stages of the updates that proceeded the latest one?

Thanks, any help would be appreciated,

Bill, W7FEI

11499. Re: Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-12 18:15:10 UTC
From: allen3500@...
Topic: 11498 Message: 11499

Hi Bill!
Welcome to the wonderful world of Orion!
Just download and install version 3.033xe and you should be good to go with all the latest goodies that the Orion has to offer.
Have fun and enjoy!

Cheers and 73,

Jim wb5twc

11500. Re: Orion for parts

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-12 23:59:36 UTC
From: Paul Horvitz
Topic: 11490 Message: 11500

Alan, OK...actually I'm pleased to hear you're not going to cannibalize the rig.

I ordered the BAT41's from Mouser, in stock. They are not zeners BTW. D1and D2.
Mouser didn't have the LT1054CS8 or is it C58? Don't matter as I searched them both. Need to look elsewhere for that IC.

I'd still like to find an A9 board though.
73,
Paul
WA6IAF

11501. Re: [orion565] Re: Orion for parts

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-13 12:55:32 UTC
From: n8fl@frontier.com
Topic: 11490 Message: 11501

Hi Paul.I sold rig as is yesterdayThanksN8fl
Sent from my LG G2, an AT&T 4G LTE smartphone

------ Original message------From: Paul Horvitz wa6iaf@gmail.com [orion565] Date: Fri, Aug 12, 2016 9:44 PMTo: orion565@yahoogroups.com;Subject:[orion565] Re: Orion for parts
  Alan, OK...actually I'm pleased to hear you're not going to cannibalize the rig. I ordered the BAT41's from Mouser, in stock. They are not zeners BTW. D1and D2.Mouser didn't have the LT1054CS8 or is it C58? Don't matter as I searched them both. Need to look elsewhere for that IC.
I'd still like to find an A9 board though.73,PaulWA6IAF

11502. Re: [orion565] WTB: A9 PWR DIST Board

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-13 21:03:35 UTC
From: David Moorman
Topic: 11492 Message: 11502

There is one available on eBay from Duke’s HiFi.

http://www.ebay.com/itm/Parts-Bonanza-Ten-Tec-Orion-HF-Ham-Transceiver-Power-Distribution-Board-/191944541422?hash=item2cb0c944ee:g:SGcAAOSw0UdXrf9y

Dave K9SW

> On Aug 10, 2016, at 12:50 PM, wa6iaf@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Hi All !
> I want to buy an A9 Power Distribution Board for my O1 565. If I understand correct, a board from either a 565 or a 566 will work. The caps are fine on my board, it's one of the SMD zeners on the underside which are temp sensitive. Since I have not worked much with SMD components I'd like to have a spare just in case.
> Thanks,
> Paul
> WA6IAF at gmail dot com.
>
> PS: Just moved to new QTH and will not have email or DSL until this Friday, the 12th.
>
>
>
>
>

11503. Re: [orion565] Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-13 21:57:42 UTC
From: Kirby VanHorn
Topic: 11498 Message: 11503

Just once!! Enjoy!! Kirby, K7EC
On 8/12/2016 11:01:22 AM, b_fultz@... [orion565] <orion565@yahoogroups.com> wrote:

Hello all,

I acquired an Orion 2 from an estate sale and had some initial issues but most all were solved when I replaced the back-up battery. This appears to be an early 2007 model and the software it is running is version 2.06b14. My question is can I download the most current firmware directly to this version or do I have to download it in several stages of the updates that proceeded the latest one?

Thanks, any help would be appreciated,

Bill, W7FEI

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https://www.avast.com/antivirus

11504. Re: Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-14 09:02:13 UTC
From: Edward A Feustel
Topic: 11498 Message: 11504

Bill,
The Orion required a hardware modification prior to running Version 3 software. I do not recall whether the Orion 2 did. I do not know how you would determine if your Orion 2 had this modification. You should be able to run the latest Version 2 immediately. If you have the right hardware, you should be able to run the latest Version 3 update immediately.

Ed, N5EI

11505. Re: [orion565] Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-14 10:40:45 UTC
From: Jerry Rogers
Topic: 11498 Message: 11505

My Orion II is about five years old. It came from TT with version 2. I’ve had no problem upgrading to the version 3 series.

Jerry, ki4ps

> On Aug 14, 2016, at 5:02 AM, Edward A Feustel efeustel@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Bill,
> The Orion required a hardware modification prior to running Version 3
> software. I do not recall whether the Orion 2 did. I do not know how you
> would determine if your Orion 2 had this modification. You should be
> able to run the latest Version 2 immediately. If you have the right
> hardware, you should be able to run the latest Version 3 update immediately.
>
> Ed, N5EI
>
>

11506. Re: [orion565] Re: Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-14 21:37:14 UTC
From: Kirby VanHorn
Topic: 11498 Message: 11506

The original Orion (565) required the mod, but the Orion 2 (566) did not.
Best Regards,
kirby, k7ec
On 8/14/2016 3:04:26 AM, Edward A Feustel efeustel@... [orion565]
<orion565@yahoogroups.com> wrote:

Bill,
The Orion required a hardware modification prior to running Version 3
software. I do not recall whether the Orion 2 did. I do not know how you
would determine if your Orion 2 had this modification. You should be
able to run the latest Version 2 immediately. If you have the right
hardware, you should be able to run the latest Version 3 update immediately.

Ed, N5EI

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https://www.avast.com/antivirus

11507. Re: [orion565] Re: Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-14 22:38:41 UTC
From: Barry N1EU
Topic: 11498 Message: 11507

The Orion does not require the v2 modification to run v3 software. It only requires the modification in order to use the Sweep under v2 and v3 software. It's debatable how useful the Sweep actually is.

Barry N1EU

On Sun, Aug 14, 2016 at 9:02 AM, Edward A Feustel efeustel@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Bill,
> The Orion required a hardware modification prior to running Version 3
> software. I do not recall whether the Orion 2 did. I do not know how you
> would determine if your Orion 2 had this modification. You should be
> able to run the latest Version 2 immediately. If you have the right
> hardware, you should be able to run the latest Version 3 update
> immediately.
>
> Ed, N5EI
>
>

11508. Re: [orion565] Re: Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-15 16:45:51 UTC
From: Bill Fultz
Topic: 11498 Message: 11508

Thanks Ed,
I think the mod had to be performed on the Orion but not on the Orion 2 based on what I have read. My main concern is if I try to do the update and if it should fail, would I lose the current operating system or could I do a reset to bring it back?
73's
Bill W7FEI

On Sunday, August 14, 2016 3:44 PM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:

  The Orion does not require the v2 modification to run v3 software. It only requires the modification in order to use the Sweep under v2 and v3 software. It's debatable how useful the Sweep actually is.
Barry N1EU
On Sun, Aug 14, 2016 at 9:02 AM, Edward A Feustel efeustel@... [orion565] <orion565@yahoogroups.com> wrote:

  Bill,
The Orion required a hardware modification prior to running Version 3 software. I do not recall whether the Orion 2 did. I do not know how you would determine if your Orion 2 had this modification. You should be able to run the latest Version 2 immediately. If you have the right hardware, you should be able to run the latest Version 3 update immediately.

Ed, N5EI

11509. Re: [orion565] Re: Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-15 16:56:57 UTC
From: Barry N1EU
Topic: 11498 Message: 11509

No, the mod doesn't need to be performed on the Orion. Not sure how to say
it more clearly than I already did.

Don't do the update if you're at all hesitant.

73, Barry N1EU

The Orion does not require the v2 modification to run v3 software. It only
requires the modification in order to use the Sweep under v2 and v3
software.

On Mon, Aug 15, 2016 at 12:45 PM, Bill Fultz b_fultz@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Thanks Ed,
>
> I think the mod had to be performed on the Orion but not on the Orion 2
> based on what I have read. My main concern is if I try to do the update and
> if it should fail, would I lose the current operating system or could I do
> a reset to bring it back?
>
> 73's
>
> Bill W7FEI
>
>
> On Sunday, August 14, 2016 3:44 PM, "Barry N1EU barry.n1eu@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
>
> The Orion does not require the v2 modification to run v3 software. It
> only requires the modification in order to use the Sweep under v2 and v3
> software. It's debatable how useful the Sweep actually is.
>
> Barry N1EU
>
> On Sun, Aug 14, 2016 at 9:02 AM, Edward A Feustel efeustel@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Bill,
> The Orion required a hardware modification prior to running Version 3
> software. I do not recall whether the Orion 2 did. I do not know how you

> would determine if your Orion 2 had this modification. You should be
> able to run the latest Version 2 immediately. If you have the right
> hardware, you should be able to run the latest Version 3 update
> immediately.
>
> Ed, N5EI
>
>
>
>
>
>

11510. Re: [orion565] Re: Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-15 18:18:42 UTC
From: Kirby VanHorn
Topic: 11498 Message: 11510

Amen!!
On 8/15/2016 11:19:28 AM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:

No, the mod doesn't need to be performed on the Orion. Not sure how to say it more clearly than I already did.

Don't do the update if you're at all hesitant.

73, Barry N1EU

The Orion does not require the v2 modification to run v3 software. It only requires the modification in order to use the Sweep under v2 and v3 software.

On Mon, Aug 15, 2016 at 12:45 PM, Bill Fultz b_fultz@yahoo.com [mailto:b_fultz@...] [orion565] <orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]> wrote:

Thanks Ed,

I think the mod had to be performed on the Orion but not on the Orion 2 based on what I have read. My main concern is if I try to do the update and if it should fail, would I lose the current operating system or could I do a reset to bring it back?

73's

Bill W7FEI

On Sunday, August 14, 2016 3:44 PM, "Barry N1EU barry.n1eu@... [mailto:barry.n1eu@...] [orion565]" <orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]> wrote:

The Orion does not require the v2 modification to run v3 software. It only requires the modification in order to use the Sweep under v2 and v3 software. It's debatable how useful the Sweep actually is.

Barry N1EU

On Sun, Aug 14, 2016 at 9:02 AM, Edward A Feustel efeustel@... [mailto:efeustel@...] [orion565] <orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]> wrote:

Bill,
The Orion required a hardware modification prior to running Version 3
software. I do not recall whether the Orion 2 did. I do not know how you
would determine if your Orion 2 had this modification. You should be
able to run the latest Version 2 immediately. If you have the right
hardware, you should be able to run the latest Version 3 update immediately.

Ed, N5EI

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https://www.avast.com/antivirus

11511. Re: [orion565] Re: Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-16 10:19:29 UTC
From: Barry Simpson
Topic: 11498 Message: 11511

Hi Bill

There are several versions of the Orion v3 firmware freely available on both the RKR Ten Tec and the new TenTec websites.

I have four versions of v3 downloaded on to my computer all in the one folder. These are:

3.029; 3.033xa; 3.033xd; 3.033xe

My Orion 2 is a very late production model and came with 3.029 when I bought it second hand a few months ago. I have variously tried 3.033xa (not recommended by me) and 3.033xe. The latter is somewhat different in its behaviour from 3.029 and it has a very nice feature of having S meter readings which are independent of the operation of the pre-amplifier and RF gain control.

In fact I have swapped between 3.029 and 3.033xe several times but I could not get to like 3.033xe and I have reverted to 3.029 which I find to be both very "nice" and very robust.

As regards a failure during firmware upgrading, I started an upgrade to 3.033xd a couple of weeks ago but accidentally interrupted it and it just "hung" with a blank screen. I thought I had "stuffed" the rig but I powered it down and then restarted in the firmware upgrade mode by pressing the appropriate button on powering up. It went into firmware upgrade without a hitch so I then retreated to the safety of 3.029 again.

I thought you might be interested in my personal experiences including my self inflicted problem during an upgrade.

If you do go ahead with the upgrade to one of the 3.0 versions, you do need to follow the instructions very carefully.

73

Barry VK2BJ

On 16 August 2016 at 02:45, Bill Fultz b_fultz@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Thanks Ed,
>
> I think the mod had to be performed on the Orion but not on the Orion 2
> based on what I have read. My main concern is if I try to do the update and
> if it should fail, would I lose the current operating system or could I do

> a reset to bring it back?
>
> 73's
>
> Bill W7FEI
>
>
> On Sunday, August 14, 2016 3:44 PM, "Barry N1EU barry.n1eu@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> The Orion does not require the v2 modification to run v3 software. It
> only requires the modification in order to use the Sweep under v2 and v3
> software. It's debatable how useful the Sweep actually is.
>
> Barry N1EU
>
> On Sun, Aug 14, 2016 at 9:02 AM, Edward A Feustel efeustel@hughes.net
> [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Bill,
> The Orion required a hardware modification prior to running Version 3
> software. I do not recall whether the Orion 2 did. I do not know how you
> would determine if your Orion 2 had this modification. You should be
> able to run the latest Version 2 immediately. If you have the right
> hardware, you should be able to run the latest Version 3 update
> immediately.
>
> Ed, N5EI
>
>
>
>
>
>

11512. Re: [orion565] Re: Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-16 17:44:15 UTC
From: Bill Fultz
Topic: 11498 Message: 11512

Thanks Barry,
I only have the latest version 3.03XE to try and update to. I really don't know all the update info about the advantages of doing an update from my very old 2.06b14 but I am sure there are many that might be welcome changes. I am actually very happy with the radio as it sits now, but like most Hams I am curious as to what features may be lurking by doing the update. Just getting up the courage to take the plunge and see what happens!
Thanks,
Bill W7FEI

On Tuesday, August 16, 2016 3:25 AM, "Barry Simpson vk2bj@... [orion565]" <orion565@yahoogroups.com> wrote:

  Hi Bill
There are several versions of the Orion v3 firmware freely available on both the RKR Ten Tec and the new TenTec websites.
I have four versions of v3 downloaded on to my computer all in the one folder. These are: 3.029; 3.033xa; 3.033xd; 3.033xe
My Orion 2 is a very late production model and came with 3.029 when I bought it second hand a few months ago. I have variously tried 3.033xa (not recommended by me) and 3.033xe. The latter is somewhat different in its behaviour from 3.029 and it has a very nice feature of having S meter readings which are independent of the operation of the pre-amplifier and RF gain control.
In fact I have swapped between 3.029 and 3.033xe several times but I could not get to like 3.033xe and I have reverted to 3.029 which I find to be both very "nice" and very robust.
As regards a failure during firmware upgrading, I started an upgrade to 3.033xd a couple of weeks ago but accidentally interrupted it and it just "hung" with a blank screen. I thought I had "stuffed" the rig but I powered it down and then restarted in the firmware upgrade mode by pressing the appropriate button on powering up. It went into firmware upgrade without a hitch so I then retreated to the safety of 3.029 again.
I thought you might be interested in my personal experiences including my self inflicted problem during an upgrade.
If you do go ahead with the upgrade to one of the 3.0 versions, you do need to follow the instructions very carefully.
73
Barry VK2BJ
On 16 August 2016 at 02:45, Bill Fultz b_fultz@... [orion565] <orion565@yahoogroups.com> wrote:

  Thanks Ed,
I think the mod had to be performed on the Orion but not on the Orion 2 based on what I have read. My main concern is if I try to do the update and if it should fail, would I lose the current operating system or could I do a reset to bring it back?
73's
Bill W7FEI

On Sunday, August 14, 2016 3:44 PM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:

The Orion does not require the v2 modification to run v3 software. It only requires the modification in order to use the Sweep under v2 and v3 software. It's debatable how useful the Sweep actually is.
Barry N1EU
On Sun, Aug 14, 2016 at 9:02 AM, Edward A Feustel efeustel@hughes.net [orion565] <orion565@yahoogroups.com> wrote:

Bill,
The Orion required a hardware modification prior to running Version 3 software. I do not recall whether the Orion 2 did. I do not know how you would determine if your Orion 2 had this modification. You should be able to run the latest Version 2 immediately. If you have the right hardware, you should be able to run the latest Version 3 update immediately.

Ed, N5EI

11513. Re: [orion565] Re: Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-16 18:05:35 UTC
From: Barry N1EU
Topic: 11498 Message: 11513

Just do the update. You'll have a much better radio. There are major fundamental changes.

73, Barry N1EU

On Tue, Aug 16, 2016 at 1:44 PM, Bill Fultz b_fultz@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Thanks Barry,
>
> I only have the latest version 3.03XE to try and update to. I really don't know all the update info about the advantages of doing an update from my very old 2.06b14 but I am sure there are many that might be welcome changes. I am actually very happy with the radio as it sits now, but like most Hams I am curious as to what features may be lurking by doing the update. Just getting up the courage to take the plunge and see what happens!
>
> Thanks,
>
> Bill W7FEI
>
>
> On Tuesday, August 16, 2016 3:25 AM, "Barry Simpson vk2bj@... [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
>
> Hi Bill
>
> There are several versions of the Orion v3 firmware freely available on both the RKR Ten Tec and the new TenTec websites.
>
> I have four versions of v3 downloaded on to my computer all in the one folder. These are:
>
> 3.029; 3.033xa; 3.033xd; 3.033xe
>
> My Orion 2 is a very late production model and came with 3.029 when I bought it second hand a few months ago. I have variously tried 3.033xa (not recommended by me) and 3.033xe. The latter is somewhat different in its behaviour from 3.029 and it has a very nice feature of having S meter readings which are independent of the operation of the pre-amplifier and RF gain control.
>

> In fact I have swapped between 3.029 and 3.033xe several times but I could
> not get to like 3.033xe and I have reverted to 3.029 which I find to be
> both very "nice" and very robust.
>
> As regards a failure during firmware upgrading, I started an upgrade to
> 3.033xd a couple of weeks ago but accidentally interrupted it and it just
> "hung" with a blank screen. I thought I had "stuffed" the rig but I powered
> it down and then restarted in the firmware upgrade mode by pressing the
> appropriate button on powering up. It went into firmware upgrade without a
> hitch so I then retreated to the safety of 3.029 again.
>
> I thought you might be interested in my personal experiences including my
> self inflicted problem during an upgrade.
>
> If you do go ahead with the upgrade to one of the 3.0 versions, you do
> need to follow the instructions very carefully.
>
> 73
>
> Barry VK2BJ
>
> On 16 August 2016 at 02:45, Bill Fultz b_fultz@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
> Thanks Ed,
>
> I think the mod had to be performed on the Orion but not on the Orion 2
> based on what I have read. My main concern is if I try to do the update and
> if it should fail, would I lose the current operating system or could I do
> a reset to bring it back?
>
> 73's
>
> Bill W7FEI
>
>
> On Sunday, August 14, 2016 3:44 PM, "Barry N1EU barry.n1eu@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> The Orion does not require the v2 modification to run v3 software. It
> only requires the modification in order to use the Sweep under v2 and v3
> software. It's debatable how useful the Sweep actually is.
>
> Barry N1EU
>
> On Sun, Aug 14, 2016 at 9:02 AM, Edward A Feustel efeustel@...
> [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Bill,
> The Orion required a hardware modification prior to running Version 3
> software. I do not recall whether the Orion 2 did. I do not know how you
> would determine if your Orion 2 had this modification. You should be
> able to run the latest Version 2 immediately. If you have the right
> hardware, you should be able to run the latest Version 3 update
> immediately.
>
> Ed, N5EI
>
>
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>

11514. Re: [orion565] Re: Updating the latest Firmware?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-16 23:00:48 UTC
From: Kirby VanHorn
Topic: 11498 Message: 11514

Barry is absolutely CORRECT!!!

The "very short duration spurious pulse" fix which was added to cure that situation inadvertently made the NR function work (especially at a 1 or 2 or 3 setting on NR.)

Howard also fixed a number of other bugs that were causing everything from display errors to processor crashes!!! (even on the RX-366 sub rcvr display!!!!!) :-)

Barry is absolutely CORRECT!!!

kirby, k7ec
On 8/16/2016 12:05:46 PM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:

Just do the update. You'll have a much better radio. There are major fundamental changes.

73, Barry N1EU

On Tue, Aug 16, 2016 at 1:44 PM, Bill Fultz b_fultz@... [mailto:b_fultz@...] [orion565] <orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]> wrote:

Thanks Barry,

I only have the latest version 3.03XE to try and update to. I really don't know all the update info about the advantages of doing an update from my very old 2.06b14 but I am sure there are many that might be welcome changes. I am actually very happy with the radio as it sits now, but like most Hams I am curious as to what features may be lurking by doing the update. Just getting up the courage to take the plunge and see what happens!

Thanks,

Bill W7FEI

On Tuesday, August 16, 2016 3:25 AM, "Barry Simpson vk2bj@... [mailto:vk2bj@...] [orion565]" <orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]> wrote:

Hi Bill

There are several versions of the Orion v3 firmware freely available on both the RKR Ten Tec and the new TenTec websites.

I have four versions of v3 downloaded on to my computer all in the one folder. These are:

3.029; 3.033xa; 3.033xd; 3.033xe

My Orion 2 is a very late production model and came with 3.029 when I bought it second hand a few months ago. I have variously tried 3.033xa (not recommended by me) and 3.033xe. The latter is somewhat different in its behaviour from 3.029 and it has a very nice feature of having S meter readings which are independent of the operation of the pre-amplifier and RF

gain control.

In fact I have swapped between 3.029 and 3.033xe several times but I could not get to like 3.033xe and I have reverted to 3.029 which I find to be both very "nice" and very robust.

As regards a failure during firmware upgrading, I started an upgrade to 3.033xd a couple of weeks ago but accidentally interrupted it and it just "hung" with a blank screen. I thought I had "stuffed" the rig but I powered it down and then restarted in the firmware upgrade mode by pressing the appropriate button on powering up. It went into firmware upgrade without a hitch so I then retreated to the safety of 3.029 again.

I thought you might be interested in my personal experiences including my self inflicted problem during an upgrade.

If you do go ahead with the upgrade to one of the 3.0 versions, you do need to follow the instructions very carefully.

73

Barry VK2BJ

On 16 August 2016 at 02:45, Bill Fultz b_fultz@... [mailto:b_fultz@yahoo.com] [orion565] <orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]> wrote:

Thanks Ed,

I think the mod had to be performed on the Orion but not on the Orion 2 based on what I have read. My main concern is if I try to do the update and if it should fail, would I lose the current operating system or could I do a reset to bring it back?

73's

Bill W7FEI

On Sunday, August 14, 2016 3:44 PM, "Barry N1EU barry.n1eu@...m [mailto:barry.n1eu@...] [orion565]" <orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]> wrote:

The Orion does not require the v2 modification to run v3 software. It only requires the modification in order to use the Sweep under v2 and v3 software. It's debatable how useful the Sweep actually is.

Barry N1EU

On Sun, Aug 14, 2016 at 9:02 AM, Edward A Feustel efeustel@... [mailto:efeustel@...] [orion565] <orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]> wrote:

Bill,
The Orion required a hardware modification prior to running Version 3 software. I do not recall whether the Orion 2 did. I do not know how you would determine if your Orion 2 had this modification. You should be able to run the latest Version 2 immediately. If you have the right hardware, you should be able to run the latest Version 3 update immediately.

Ed, N5EI

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https://www.avast.com/antivirus

11515. Orion Repair

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-19 09:48:57 UTC
From: Bill Snyder
Topic: 11515 Message: 11515

Hi everyone. Looking at buying an Orion 1 or 2. Was wondering if anyone other than ten tec repairs these radios?? Thanks Bill WR4G

11516. RE: [orion565] Orion Repair

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-19 11:41:33 UTC
From: <bkemp@...>
Topic: 11515 Message: 11516

You bet...I've used EXline Signal - out of Exline, IA for repairs on two of my rigs. Jim Warner is his the man to talk to.
Bob
wa0vrc

?
?
?

-------- Original Message --------
Subject: [orion565] Orion Repair
From: "'Bill Snyder' mgbv8@... [orion565]"
<orion565@yahoogroups.com>
Date: Fri, August 19, 2016 4:48 am
To: <orion565@yahoogroups.com>

?

Hi everyone. Looking at buying an Orion 1 or 2. Was wondering if anyone other than ten tec repairs these radios?? Thanks Bill WR4G

11517. Re: [orion565] Orion Repair

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-19 11:52:41 UTC
From: Jerry Rogers
Topic: 11515 Message: 11517

Well being the owner of a six old Orion II, I’ve given some thought to that. Tentec still repairs providing they have the parts. But then that’s true with any manufacture.

I’ve know hams that have gotten their TT radios fixed by third party places.

FYI: As I’m getting further into being a senior, and my priorities have taken over my time, ham radio has taken a back seat. So It’s time to move the Orion II, Eagle, and maybe my Argonaut VI. I do QRP cw a lot, and my FT-817ND give me that.

Jerry, ki4ps
ki4ps-1@...

> On Aug 19, 2016, at 5:48 AM, 'Bill Snyder' mgbv8@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Hi everyone. Looking at buying an Orion 1 or 2. Was wondering if anyone other than ten tec repairs these radios?? Thanks Bill WR4G
>
>

11518. Re: [orion565] Orion Repair

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-19 15:39:44 UTC
From: mcelmer1
Topic: 11515 Message: 11518

Here is one source but I can not find a website:

"Description: Expert repairs and restoration for all brands (Collins, Drake, Icom, Kenwood, Ten-Tec, Yaesu, and Others) of vintage and modern ham radio equipment including linear amplifiers, station accessories, OEM power supplies and Astron power supplies by a degreed Electrical Engineer who has been a licensed ham (20 WPM Extra Class) for over 38 years. For more information, contact The Radiosmith via email at: radiosmith@... "

Mikee
W8TRN
----- Original Message -----
From: 'Bill Snyder' mgbv8@... [orion565]
To: orion565@yahoogroups.com
Sent: Friday, August 19, 2016 03:48
Subject: [orion565] Orion Repair

Hi everyone. Looking at buying an Orion 1 or 2. Was wondering if anyone other than ten tec repairs these radios?? Thanks Bill WR4G

11519. OCFD / 1:1 UNUN

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-21 03:36:22 UTC
From: Steven Hammond
Topic: 11515 Message: 11519

I apologize if this has been addressed before, but I have an OCFD (specifically - Buckmaster 3KW 7 Band). The OCFD is approximately 40-50 ft outside the window of my office where the radio resides. I tend to get RF back in the shack. The manufacture says the rf choke is not necessary, but I was wanting to put one between the radio and antenna. I have an MFG 915 and a 3' LMR 400 coax. My question is placement. Would it be better to pull the antenna down and place the chock just after the 6:1 voltage balun (well 3' anyways) or can I just put it outside my window (I have a MFJ window pass thru device).

My second question deals with height. Currently, the OCFD is just up on a push up pole about 18'. Eventually, it will hang off the side of a tower. I was told to place it 30-40' and as far away from the tower (at least 10' if possible). Seems a bit odd. My elmer has the same antenna up 40' and it is no more than 3' from the tower. My question is, should I put it at 30-40' or take it on up (possibly 70-80')? Or does the 6:1 balun only optimal at the 30-40' height?

Any suggestions would be greatly appreciated.

Steven Hammond - KY5M

On 8/19/2016 10:39, 'mcelmer1' mcelmer1@... [orion565] wrote:
>
> Here is one source but I can not find a website:
> "Description: Expert repairs and restoration for all brands (Collins,
> Drake, Icom, Kenwood, Ten-Tec, Yaesu, and Others) of vintage and
> modern ham radio equipment including linear amplifiers, station
> accessories, OEM power supplies and Astron power supplies by a degreed
> Electrical Engineer who has been a licensed ham (20 WPM Extra Class)
> for over 38 years. For more information, contact The Radiosmith via
> email at: radiosmith@... "
> Mikee
> W8TRN
>
> ----- Original Message -----
> *From:* 'Bill Snyder' mgbv8@... [orion565]
> <mailto:mgbv8@...%20[orion565]>
> *To:* orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> *Sent:* Friday, August 19, 2016 03:48
> *Subject:* [orion565] Orion Repair
>
> Hi everyone. Looking at buying an Orion 1 or 2. Was wondering if
> anyone other than ten tec repairs these radios?? Thanks Bill WR4G
>
>

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11520. Re: [orion565] Orion Repair

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-21 06:54:18 UTC
From: David Moorman
Topic: 11515 Message: 11520

I’ve talked with Jack at Willco in New Lenox, Illinois, about working on my Orion but haven’t taken it to him yet.

http://www.willcoele.com/radio_repair/ <http://www.willcoele.com/radio_repair/>

His Web site shows an Orion on the bench, which is encouraging.

eHam reviews are quite positive. http://www.eham.net/reviews/detail/6560 <http://www.eham.net/reviews/detail/6560>

Dave K9SW

> On Aug 19, 2016, at 4:48 AM, 'Bill Snyder' mgbv8@... <mailto:mgbv8@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
> Hi everyone. Looking at buying an Orion 1 or 2. Was wondering if anyone other than ten tec repairs these radios?? Thanks Bill WR4G
>
>

11521. Re: OCFD / 1:1 UNUN

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-21 09:09:16 UTC
From: vhklein@...
Topic: 11515 Message: 11521

OCF Dipoles are wonderful multiband antennas (I have 2 that I switch between), but notorious for getting RF back into the shack. They are inherently an unbalanced system, even with a current balun. I use RF chokes made with 6-8 turns of coax on each of the feedlines, and even have a Line Isolator on one of my antennas to tame this tendency, and still liberally apply snap-on ferrite chokes on troublesome components like computer speaker lines or USB cables.

As to where it is best to put the chokes and isolators, I really don't know. I have the isolator here in the shack, but coil the coax chokes near the baluns.

=Vic=
WA4THR

11522. Re: OCFD / 1:1 UNUN

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-22 05:23:15 UTC
From: Onno PA1AP
Topic: 11515 Message: 11522

Hi,

I am not a specialist on antennas but from practical experience I know the choke needs to be placed at the antenna. The choke will provide high impedance and hence reduce the undesired. Second I found that its effective to create some sort of bleeder between choke and antenna. With my verticals this made a good difference. The bleeder could be a piece of wire or just the same coax and the choke at a distance from the antenna feedpoint. My guess is that the undesired needs a low impedance path to find some sort of balance. With my vertical this is binary.. no bleeder... rfi... bleeder (1/4 wave of wire).. no rfi at all. Its a 3/8 wave vertical.

Placing chokes near transmitter and associated Coax makes no sense in my experience. Chokes at powerlines ac and dc will make sense. one ground point at the last point in the shack before it goes to antenna does help too. Even if that ground point is just a long piece of wire going beneath the carpet.

The experts in the group will provide good info. Just wanted to share my limited experience and I hope it helps. Regards, onno

11523. Re: [orion565] OCFD / 1:1 UNUN

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-22 11:30:36 UTC
From: Barry N1EU
Topic: 11515 Message: 11523

You should read this post:

http://lists.contesting.com/archives//html/TenTec/2015-09/msg00032.html

or otherwise search this reflector's archives for posts by Rick DJ0IP, the OCFD meister himself.

73, Barry N1EU

On Sat, Aug 20, 2016 at 11:36 PM, Steven Hammond bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I apologize if this has been addressed before, but I have an OCFD
> (specifically - Buckmaster 3KW 7 Band). The OCFD is approximately 40-50 ft
> outside the window of my office where the radio resides. I tend to get RF
> back in the shack. The manufacture says the rf choke is not necessary, but
> I was wanting to put one between the radio and antenna. I have an MFG 915
> and a 3' LMR 400 coax. My question is placement. Would it be better to
> pull the antenna down and place the chock just after the 6:1 voltage balun
> (well 3' anyways) or can I just put it outside my window (I have a MFJ
> window pass thru device).
>
> My second question deals with height. Currently, the OCFD is just up on a
> push up pole about 18'. Eventually, it will hang off the side of a tower.
> I was told to place it 30-40' and as far away from the tower (at least 10'
> if possible). Seems a bit odd. My elmer has the same antenna up 40' and
> it is no more than 3' from the tower. My question is, should I put it at
> 30-40' or take it on up (possibly 70-80')? Or does the 6:1 balun only
> optimal at the 30-40' height?
>
> Any suggestions would be greatly appreciated.
>
> Steven Hammond - KY5M
>
> On 8/19/2016 10:39, 'mcelmer1' mcelmer1@netecin.net [orion565] wrote:
>
>
>
>
> Here is one source but I can not find a website:
>
> "Description: Expert repairs and restoration for all brands (Collins,
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> radio equipment including linear amplifiers, station accessories, OEM power
> supplies and Astron power supplies by a degreed Electrical Engineer who has

> been a licensed ham (20 WPM Extra Class) for over 38 years. For more
> information, contact The Radiosmith via email at: radiosmith@... "
>
> Mikee
> W8TRN
>
> ----- Original Message -----
> *From:* 'Bill Snyder' mgbv8@... [orion565]
> <mgbv8@...%20[orion565]>
> *To:* orion565@yahoogroups.com
> *Sent:* Friday, August 19, 2016 03:48
> *Subject:* [orion565] Orion Repair
>
>
>
> Hi everyone. Looking at buying an Orion 1 or 2. Was wondering if anyone
> other than ten tec repairs these radios?? Thanks Bill WR4G
>
>
>
>
> ------------------------------
> [image: Avast logo]
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email
&utm_content=emailclient>
>
> This email has been checked for viruses by Avast antivirus software.
> www.avast.com
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email
&utm_content=emailclient>
>
>
>

11524. Re: Orion Repair

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-23 11:38:54 UTC
From: wa6mtm@...
Topic: 11515 Message: 11524

Yes there is. Bill Grassa W4ATS does Ten Tec repair. Bob

11525. RE: [orion565] Re: Orion Repair

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-23 13:29:13 UTC
From: bkemp
Topic: 11515 Message: 11525

Jim Warner at ex line signal, ex line IA. Does repair also.Great tech and fast turn around

Sent from my Verizon, Samsung Galaxy smartphone
-------- Original message --------From: "wa6mtm@yahoo.com [orion565]" <orion565@yahoogroups.com> Date: 8/23/16 6:38 AM (GMT-06:00) To: orion565@yahoogroups.com Subject: [orion565] Re: Orion Repair

Yes there is. Bill Grassa W4ATS does Ten Tec repair.   Bob

11526. Re: [orion565] Re: Orion Repair

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-23 12:53:10 UTC
From: Steven Hammond
Topic: 11515 Message: 11526

I recently had my Orion II repaired by Jim Warner (jim@...)
and have to say he did a great job. I had originally sent it to TT for
repair. Paid $300 and when I got it back, not only was the main issue
not fixed (receiving local AM station in headphones) but when I cranked
it up to test into a dummy load, 30M/40M was completely dead (no power
out). I shipped it to Jim and he was able to fix ALL the issues
including a busted display (thanks to Fedex shipping for a busted
display). Unlike TT, whom I did try to reach for several weeks after
receiving the rig back with no answer from them, Jim followed my emails
within 24 hours and gave me statuses of the repairs and what he found.
His rates are also very reasonable compared to TT. He even made sure
the radio came back extra packed to protect from the delivery gorillas
(hi).

I'm not knocking TT service. They did loosen the knob on the sub
receiver and reconnect a loose cable to the tuner. Normally I have good
results. But the last service left a bad taste in my mouth. I'm just
glad Jim was able to figure it out and fix 'er up. Thanks Jim!

Steven Hammond - KY5M

On 8/23/2016 6:38 AM, wa6mtm@... [orion565] wrote:
>
> Yes there is. Bill Grassa W4ATS does Ten Tec repair. Bob
>
>

11527. Re: [orion565] Re: Orion Repair

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-23 14:07:11 UTC
From: Mike Schatzberg
Topic: 11515 Message: 11527

Bill Grassa's call sign is N4ATS in Fla.

73,

Mike
W2AJI
Sent from my iPhone

> On Aug 23, 2016, at 8:53 AM, Steven Hammond bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> I recently had my Orion II repaired by Jim Warner (jim@...) and have to say he did a great job. I had originally sent it to TT for repair. Paid $300 and when I got it back, not only was the main issue not fixed (receiving local AM station in headphones) but when I cranked it up to test into a dummy load, 30M/40M was completely dead (no power out). I shipped it to Jim and he was able to fix ALL the issues including a busted display (thanks to Fedex shipping for a busted display). Unlike TT, whom I did try to reach for several weeks after receiving the rig back with no answer from them, Jim followed my emails within 24 hours and gave me statuses of the repairs and what he found. His rates are also very reasonable compared to TT. He even made sure the radio came back extra packed to protect from the delivery gorillas (hi).
> I'm not knocking TT service. They did loosen the knob on the sub receiver and reconnect a loose cable to the tuner. Normally I have good results. But the last service left a bad taste in my mouth. I'm just glad Jim was able to figure it out and fix 'er up. Thanks Jim!
>
> Steven Hammond - KY5M
>
>> On 8/23/2016 6:38 AM, wa6mtm@... [orion565] wrote:
>> Yes there is. Bill Grassa W4ATS does Ten Tec repair. Bob
>>
>
>
>
>

11528. Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-31 19:30:08 UTC
From: Bob Meadows
Topic: 11528 Message: 11528

I have a question for the group. I am using an Orion II and it has RF feedback on my headset and external speaker. Might even be on the internal speaker but I just can't hear it there. What say you guys?
Thanks, Bob W6MTM
++++++++++++++++

11529. Re: [orion565] Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-08-31 22:39:26 UTC
From: Wayne Staples
Topic: 11528 Message: 11529

Hi Bob

If you turn your monitor on you will hear transmitted audio, and I would say you could have earth loop, read up on earth loops there is plenty of sites on line showing how to combat earth loops.

73 Wayne VK4EU

On 01/09/16 05:30, Bob Meadows wa6mtm@... [orion565] wrote:
> I have a question for the group. I am using an Orion II and it has RF feedback on my headset and external speaker. Might even be on the internal speaker but I just can't hear it there. What say you guys?
> Thanks, Bob W6MTM
> ++++++++++++++
>
>
> ------------------------------------
> Posted by: Bob Meadows <wa6mtm@...>
> ------------------------------------
>
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>

11530. Re: [orion565] Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-01 00:40:13 UTC
From: Barry Simpson
Topic: 11528 Message: 11530

Hi Bob

I have had the same problem on my Orion 2 with two different boom/mic headsets. I cured it by simply wrapping several turns of the mic/headset lead around a small ferrite toroid near to the mic plug/headphone plug end of the cable.

Hope that helps.

73

Barry VK2BJ

On 1 September 2016 at 05:30, Bob Meadows wa6mtm@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I have a question for the group. I am using an Orion II and it has RF
> feedback on my headset and external speaker. Might even be on the internal
> speaker but I just can't hear it there. What say you guys?
> Thanks, Bob W6MTM
> +++++++++++++++
>
>

11531. Re: Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-01 08:35:59 UTC
From: g4gzg@yahoo.com
Topic: 11528 Message: 11531

I had a similar problem with my Orion2. Bad RF feedback made the sidetone sound rough and the meter light blink. Cured it by disconnecting my inline power meter and running straight to the external AMU. Seems the Orion2 is prone to this as don't have the issue with my K3 or FT991.
73. Larry G4GZG.

Sent from Yahoo Mail on Android

11532. Re: [orion565] Re: Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-01 11:56:27 UTC
From: Bob Meadows
Topic: 11528 Message: 11532

Thank you for the info. Bob W6MTM

On Thu, 9/1/16, 'g4gzg@...' g4gzg@... [orion565] <orion565@yahoogroups.com> wrote:

Subject: [orion565] Re: Ten Tec Orion II
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Date: Thursday, September 1, 2016, 1:35 AM

I had a similar problem with my Orion2. Bad RF
feedback made the sidetone sound rough and the meter light
blink. Cured it by disconnecting my inline power meter
and running straight to the external AMU. Seems the Orion2
is prone to this as don't have the issue with my K3 or
FT991.
73.
Larry G4GZG.

Sent
from Yahoo Mail on Android

11533. Re: Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-01 14:43:08 UTC
From: Trevor
Topic: 11528 Message: 11533

Tentec supplied a small RF filter pcb for retrofit into the audio/headphone circuit. They were free of charge and I installed them in both of my O-II's even though only one Orion had a problem.

Not sure if the new owners would have them available but just maybe there were some filters left in the inventory transfer. The filters are installed on the audio board right behind the front panel and interpose between the existing cable and pcb.

73 Trevor AB5EU

11534. Re: Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-03 13:59:02 UTC
From: w3att_ham@...
Topic: 11528 Message: 11534

I wonder if they supplied a schematic with the filter board? Or if anyone could "reverse engineer" one? Ten Tec is not very responsive right now (except for repairs.)

11535. Re: Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-03 14:37:41 UTC
From: w3att_ham@...
Topic: 11528 Message: 11535

Oh, and to add to my last comment, I get the RF problem ONLY if the Orion is connected to my computer in ANY way at all.

An audio cable, or the USB to serial connection for logging software to track band, freq, etc.

I finally completely disconnected the Orion from my computer and all ground loops, RF problems are gone. I really hate spending hours trying to eliminate problems lol, so now the radio is independent of the computer.

11536. Re: [orion565] Re: Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-04 02:25:47 UTC
From: Wayne Staples
Topic: 11528 Message: 11536

I disconnected the braid of the mic cable at the radio end leaving the braid connected at the mic end, audio + and audio - are still connected and my radio is still connected to my computer. Audio + & - is connected braid still provides shielding and there is no earth loops.

73 Wayne VK4EU

Sent from my ALCATEL ONETOUCH PIXI 3 (4.5)

On 4 Sep 2016 12:37 am, "w3att_ham@yahoo.com [orion565]" <orion565@yahoogroups.com> wrote:

Oh, and to add to my last comment, I get the RF problem ONLY if the Orion is connected to my computer in ANY way at all.

An audio cable, or the USB to serial connection for logging software to track band, freq, etc.

I finally completely disconnected the Orion from my computer and all ground loops, RF problems are gone. I really hate spending hours trying to eliminate problems lol, so now the radio is independent of the computer.

11537. FOR SALE: Filters for Orion II, Eagle and RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-04 11:23:58 UTC
From: Barry N1EU
Topic: 11537 Message: 11537

I've got Ten-Tec crystal roofing filters for sale that fit the Orion II, Eagle, and the RX-366 subreceiver. I've got the following bandwidths available, with several of each except only one 1800Hz:

300Hz
600Hz
1800Hz
6000Hz

Price is $80 each shipped CONUS. PayPal preferred (to gross.barry@...) or will also accept money order.

Please respond direct (privately, off list)

73, Barry N1EU

11538. Re: FOR SALE: Filters for Orion II, Eagle and RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-04 21:26:53 UTC
From: Barry N1EU
Topic: 11537 Message: 11538

I only still have two 6000Hz filters for sale. These are great for AM,
ESSB, and digital soundcard modes.

73, Barry N1EU

On Sun, Sep 4, 2016 at 11:23 AM, Barry N1EU <barry.n1eu@...> wrote:

> I've got Ten-Tec crystal roofing filters for sale that fit the Orion II,
> Eagle, and the RX-366 subreceiver. I've got the following bandwidths
> available, with several of each except only one 1800Hz:
>
> 300Hz
> 600Hz
> 1800Hz
> 6000Hz
>
> Price is $80 each shipped CONUS. PayPal preferred (to
> gross.barry@...) or will also accept money order.
>
> Please respond direct (privately, off list)
>
> 73, Barry N1EU
>

11539. Re: FOR SALE: Filters for Orion II, Eagle and RX-366

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-05 13:52:34 UTC
From: Barry N1EU
Topic: 11537 Message: 11539

All filters are sold.

73, Barry N1EU

On Sun, Sep 4, 2016 at 9:26 PM, Barry N1EU <barry.n1eu@...> wrote:

> I only still have two 6000Hz filters for sale. These are great for AM,
> ESSB, and digital soundcard modes.
>
> 73, Barry N1EU
>
> On Sun, Sep 4, 2016 at 11:23 AM, Barry N1EU <barry.n1eu@...> wrote:
>
>> I've got Ten-Tec crystal roofing filters for sale that fit the Orion II,
>> Eagle, and the RX-366 subreceiver. I've got the following bandwidths
>> available, with several of each except only one 1800Hz:
>>
>> 300Hz
>> 600Hz
>> 1800Hz
>> 6000Hz
>>
>> Price is $80 each shipped CONUS. PayPal preferred (to
>> gross.barry@...) or will also accept money order.
>>
>> Please respond direct (privately, off list)
>>
>> 73, Barry N1EU
>>
>
>

11540. SSB filter question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-09 13:27:28 UTC
From: bayou50@...
Topic: 11540 Message: 11540

Hello all, I'm getting an Orion 1 and was looking at the SSB filter options from Inrad and have a few questions that maybe the group can help with.

I see that Inrad offers 5 SSB filters for the Orion, a 2800 Hz, two 2400 Hz filters, a 10-pole and a 4-pole. A 2100 Hz and the 1800 Hz which is the replacement filter for the Ten Tec 218 filter.

I'm thinking about getting the 2100 Hz filter but would like to get input from others that may have used some of these, or have any thoughts on this.

Thank you

11541. Re: [orion565] SSB filter question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-09 14:14:50 UTC
From: Barry N1EU
Topic: 11540 Message: 11541

IMHO, you don't need a narrower roofing filter for ssb use on the Orion.
The stock 2.4KHz roofing filter plus the continuously variable dsp
filtering is all you need.

73, Barry N1EU

On Fri, Sep 9, 2016 at 9:27 AM, bayou50@hotmail.com [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hello all, I'm getting an Orion 1 and was looking at the SSB filter
> options from Inrad and have a few questions that maybe the group can help
> with.
>
> I see that Inrad offers 5 SSB filters for the Orion, a 2800 Hz, two 2400
> Hz filters, a 10-pole and a 4-pole. A 2100 Hz and the 1800 Hz which is the
> replacement filter for the Ten Tec 218 filter.
>
>
> I'm thinking about getting the 2100 Hz filter but would like to get input
> from others that may have used some of these, or have any thoughts on this.
>
> Thank you
>
>
>
>

11542. Re: [orion565] SSB filter question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-09 14:54:38 UTC
From: Barry N1EU
Topic: 11540 Message: 11542

That being said, if you really feel you need to install a narrow ssb roofing filter, the only choice would be the #761 1800Hz filter. You can't vary the filter changeover frequency in the Orion menu, so the 2100Hz filter wouldn't really work at all for you.

73, Barry N1EU

On Fri, Sep 9, 2016 at 10:14 AM, Barry N1EU <barry.n1eu@...> wrote:

> IMHO, you don't need a narrower roofing filter for ssb use on the Orion.
> The stock 2.4KHz roofing filter plus the continuously variable dsp
> filtering is all you need.
>
> 73, Barry N1EU
>
> On Fri, Sep 9, 2016 at 9:27 AM, bayou50@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> Hello all, I'm getting an Orion 1 and was looking at the SSB filter
>> options from Inrad and have a few questions that maybe the group can help
>> with.
>>
>> I see that Inrad offers 5 SSB filters for the Orion, a 2800 Hz, two 2400
>> Hz filters, a 10-pole and a 4-pole. A 2100 Hz and the 1800 Hz which is the
>> replacement filter for the Ten Tec 218 filter.
>>
>>
>> I'm thinking about getting the 2100 Hz filter but would like to get input
>> from others that may have used some of these, or have any thoughts on this.
>>
>> Thank you
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>
>

11543. Re: [orion565] SSB filter question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-09 14:54:01 UTC
From: Mike Schatzberg
Topic: 11540 Message: 11543

The choice of filters has several considerations, type of operations(contest,rag chew), your desire for recovery of audio fidelity(Enhanced, normal), your location (deep valley, mountain top), and most importantly your antenna.

I use a 20 meter monoband yagi with a 45 foot boom at 75 feet, located on top of a 250 foot hill at 1000 above sea level. The signals are very strong when the band is open.

I find the 2.4 kHz roofing filter does a very good job in conjunction with the DSP filtering set also at 2.4 kHz. I do use some positive IF shift also, about 120. This recovers audio very well with decent fidelity.

When contesting, if things get really crowded, I switch to the 1.8 kHz and narrow the DSP. The quality goes down and intelligibility goes up.

The lack of intermod in the O2 makes for great performance in contests. You can pull the weak stations out easily with these filters.

I doubt you need more than what you have. Spend your money on the antenna system first always when you own an Orion.

73 and Happy DXing,

Mike
W2AJI
PS. Please sign your posting

Sent from my iPhone

> On Sep 9, 2016, at 10:14 AM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> IMHO, you don't need a narrower roofing filter for ssb use on the Orion. The stock 2.4KHz roofing filter plus the continuously variable dsp filtering is all you need.
>
> 73, Barry N1EU
>
>> On Fri, Sep 9, 2016 at 9:27 AM, bayou50@... [orion565] <orion565@yahoogroups.com> wrote:
>> Hello all, I'm getting an Orion 1 and was looking at the SSB filter options from Inrad and have a few questions that maybe the group can help with.
>>
>>
>> I see that Inrad offers 5 SSB filters for the Orion, a 2800 Hz, two 2400 Hz filters, a 10-pole and a 4-pole. A 2100 Hz and the 1800 Hz which is the replacement filter for the Ten Tec 218 filter.
>>

>> I'm thinking about getting the 2100 Hz filter but would like to get input from others that may have used some of these, or have any thoughts on this.
>>
>> Thank you
>>
>>
>
>
>
>

11544. Re: SSB filter question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-09 16:39:51 UTC
From: bayou50@...
Topic: 11540 Message: 11544

Thank you all for the input, very informative.

Antennas here are just wires for now and will be adding a Hex beam soon. Use will be mainly for running contest.

I think I'm going to use my Kenwood TS-950SDX for my everyday radio and set the Ten Tec Orion up as my contest rig. Again thanks for the info.

73, Dale, KD5UVV

11545. Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-10 04:46:58 UTC
From: bayou50@...
Topic: 11545 Message: 11545

Hello again everyone, well I got the Orion in today and everything works except the PBT/BW encoder. It's very very hard to turn by hand (you really can't) and it won't change from BW to PBT when you try to push the knob in, it won't move. So it's stuck in BW mode.

I see you can also change the BW and PBT with the HI- CUT -LO knob. So couldn't I just use this control for the time being until I was able to send the unit back for repair? Asking, as I'm new to the Orion.

Also the funny thing is, an invoice was included with the unit showing that this Orion was sent in to Ten Tec in Nov, 2013 to repair this same PBT/BW encoder. So less than two years and it's out again.

Thanks and 73

Dale, KD5UVV

11546. Re: [orion565] Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-10 10:18:28 UTC
From: Barry N1EU
Topic: 11545 Message: 11546

This might be a long shot, but first I would try loosening the set screw on that PBT/BW knob and pulling it out slightly away from the front panel and retightening. If that doesn't help, it might be the encoder mounting nut (nylon) being too tight. To loosen that, you need to dis-assemble the front panel.

73, Barry N1EU

On Sat, Sep 10, 2016 at 4:46 AM, bayou50@hotmail.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hello again everyone, well I got the Orion in today and everything works
> except the PBT/BW encoder. It's very very hard to turn by hand (you really
> can't) and it won't change from BW to PBT when you try to push the knob in,
> it won't move. So it's stuck in BW mode.
>
> I see you can also change the BW and PBT with the HI- CUT -LO knob. So
> couldn't I just use this control for the time being until I was able to
> send the unit back for repair? Asking, as I'm new to the Orion.
>
> Also the funny thing is, an invoice was included with the unit showing
> that this Orion was sent in to Ten Tec in Nov, 2013 to repair this same
> PBT/BW encoder. So less than two years and it's out again.
>
> Thanks and 73
>
> Dale, KD5UVV
>
>
>
>

11547. Re: [orion565] Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-10 15:16:43 UTC
From: bayou50@...
Topic: 11545 Message: 11547

Hello Barry, thanks for the suggestions. I tried pulling it out some, but still did not work. I don't want to go into the rig as I may be returning the unit.

In the meantime, I'm going to email Ten Tec about sending it in for repair and see what they say. (I don't even know if they still work on the Orion 1).

Thanks again,

73, Dale KD5UVV

11548. Re: [orion565] Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-10 19:50:48 UTC
From: amfone
Topic: 11545 Message: 11548

Dale
Will you let us all know what TT says about repairing the Orion 1, I have one too, purchased new and hardly used really.
73 TimWB8UHZ

On Saturday, September 10, 2016 3:16 PM, "bayou50@... [orion565]" <orion565@yahoogroups.com> wrote:

Hello Barry, thanks for the suggestions. I tried pulling it out some, but still did not work. I don't want to go into the rig as I may be returning the unit.

In the meantime, I'm going to email Ten Tec about sending it in for repair and see what they say. (I don't even know if they still work on the Orion 1).

Thanks again,

73, Dale KD5UVV

11549. Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-10 20:04:41 UTC
From: bayou50@...
Topic: 11545 Message: 11549

Will do Tim, I've sent the email to them, but they have listed that they only check email Mon-Wed. So we'll see. And I'll let you know how it goes. 73

Dale KD5UVV

11550. Re: [orion565] Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-10 20:08:35 UTC
From: amfone
Topic: 11545 Message: 11550

Thanks very much Dale.
TimWB8UHZ

On Saturday, September 10, 2016 8:04 PM, "bayou50@... [orion565]" <orion565@yahoogroups.com> wrote:

Will do Tim, I've sent the email to them, but they have listed that they only check email Mon-Wed. So we'll see. And I'll let you know how it goes. 73

Dale KD5UVV

11551. Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-13 03:06:27 UTC
From: bayou50@...
Topic: 11545 Message: 11551

No word from Ten Tec as of yet, will keep updated.

73 Dale KD5UVV

11552. Receive antenna set up with Orion....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-13 12:42:38 UTC
From: bayou50@...
Topic: 11552 Message: 11552

Hello all, I'd like to hear how some of you that use one or more receive antennas with only your Orion, on how you have it set up.

As I understand it, on the Orion you can have say two receive antennas, one on the receive antenna plug and also one on the 2nd antenna port and use antenna port 1 for transmitting.

If this is so, does anyone have or has tried a setup like this? Or any other configuration? This is one of the reasons I looked into the Orion. Thanks for all feedback.

Dale, KD5UVV

11553. Re: [orion565] Receive antenna set up with Orion....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-13 13:15:40 UTC
From: Barry N1EU
Topic: 11552 Message: 11553

If you use a receive only antenna on ANT2 input, be sure to enable the TX LOOP on ANT2 which will prevent the Orion from transmitting out ANT2.

Barry N1EU

On Tue, Sep 13, 2016 at 8:42 AM, bayou50@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hello all, I'd like to hear how some of you that use one or more receive
> antennas with only your Orion, on how you have it set up.
>
>
> As I understand it, on the Orion you can have say two receive antennas,
> one on the receive antenna plug and also one on the 2nd antenna port and
> use antenna port 1 for transmitting.
>
>
> If this is so, does anyone have or has tried a setup like this? Or any
> other configuration? This is one of the reasons I looked into the Orion.
> Thanks for all feedback.
>
>
> Dale, KD5UVV
>
>
>

11554. Re: [orion565] Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-13 18:15:07 UTC
From: amfone
Topic: 11545 Message: 11554

OK Dale my fear is no one will work on a TT Orion One I have. Hell its still a great rig and as good as most out there now if now better.
TimWB8UHZ

On Tuesday, September 13, 2016 3:06 AM, "bayou50@... [orion565]" <orion565@yahoogroups.com> wrote:

> No word from Ten Tec as of yet, will keep updated.

73 Dale KD5UVV

11555. Re: Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-13 20:19:11 UTC
From: kc3dbg@...
Topic: 11528 Message: 11555

Hello guys, this is my first reply here. I just got an Orion (original) from a local SK's estate, needless to say, it stopped having TX output, but I will open a separate post for that issue.

I did notice the Radio Shack brand RS-232 to USB adapter I have causes the noise floor to raise as soon as I plug the USB side into the PC, this is even if I use this cable on my RigBlaster and not the Orion for CAT control! However, the other 3 USB to serial Sabrent brand cables do NOT affect the noise floor at all!

I hope this is of help to anyone!

11556. Orion 565 intermittent TX, not no output at all

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-13 20:47:10 UTC
From: kc3dbg@...
Topic: 11556 Message: 11556

Hello guys, like I said in my last reply, I got a beautiful, mint, Orion 565. It did seem to work for some quick on air signal reports with 2 locals on 10 meters, but then later, I noticed there was no TX out at all!

All this testing the TX out was into a watt meter and them Bird dummy load...

This one does NOT have the tuner installed, so the tune button is a nice way to put out a 20w CW tone, and this was not working (neither was the CW key plugged into the radio). So, since I'm a new owner, I double, and TRIPLE checked everything, RX/TX antenna, VFO A and B, made sure the keying loops were set to off, ect. Finally I did a master reset, still nothing! Then the one time I hit the keyer, I got power out, I hit the keyer and I got the full 100w out. The power seemed to keep working for a while while I was testing into the dummy load. But the next morning, nothing again. I did get 2 times when I did get power out, and the monitor kinda blackened (turned dark) when in TX, so I stopped, quickly tried again, same thing, then no more power out after this! I had ordered the replacement, low ESR caps for the power board, so since the screen reacted to the issue I decided to replace the caps on A9, but as I was expecting, no TX after I put the new caps in.

I checked EVERY cable for a loose connection and no obvious, discolored areas are visible nor was smoke ever smelled.

So, would you technical guys think it is possible the pair of 2SC3133 drivers? They are only about $16 a pair online. I think that would be a great place to start???

I am giving the radio back to my friend that is handling the estate, but I would still like to help him get this working again,

I did purchase a replacement 565AT from a guy in FL (I can't wait for it to arrive). I went from the Icom 706MK2G to the 565! WOW!!!

Thanks for this great group, and I can't wait to get on the air with MY 565!!!

75 everyone!
John
K3DBG

11557. Re: [orion565] Orion 565 intermittent TX, not no output at all

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-13 21:54:45 UTC
From: Barry N1EU
Topic: 11556 Message: 11557

How's the transmit in ssb?

73, Barry N1EU

On Tue, Sep 13, 2016 at 8:47 PM, kc3dbg@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hello guys, like I said in my last reply, I got a beautiful, mint, Orion
> 565. It did seem to work for some quick on air signal reports with 2 locals
> on 10 meters, but then later, I noticed there was no TX out at all!
>
> All this testing the TX out was into a watt meter and them Bird dummy
> load...
>
> This one does NOT have the tuner installed, so the tune button is a nice
> way to put out a 20w CW tone, and this was not working (neither was the CW
> key plugged into the radio). So, since I'm a new owner, I double, and
> TRIPLE checked everything, RX/TX antenna, VFO A and B, made sure the keying
> loops were set to off, ect. Finally I did a master reset, still nothing!
> Then the one time I hit the keyer, I got power out, I hit the keyer and I
> got the full 100w out. The power seemed to keep working for a while while I
> was testing into the dummy load. But the next morning, nothing again. I did
> get 2 times when I did get power out, and the monitor kinda blackened
> (turned dark) when in TX, so I stopped, quickly tried again, same thing,
> then no more power out after this! I had ordered the replacement, low ESR
> caps for the power board, so since the screen reacted to the issue I
> decided to replace the caps on A9, but as I was expecting, no TX after I
> put the new caps in.
>
> I checked EVERY cable for a loose connection and no obvious, discolored
> areas are visible nor was smoke ever smelled.
>
> So, would you technical guys think it is possible the pair of 2SC3133
> drivers? They are only about $16 a pair online. I think that would be a
> great place to start???
>
> I am giving the radio back to my friend that is handling the estate, but I
> would still like to help him get this working again,
>
> I did purchase a replacement 565AT from a guy in FL (I can't wait for it
> to arrive). I went from the Icom 706MK2G to the 565! WOW!!!
>
>
> Thanks for this great group, and I can't wait to get on the air with MY

> 565!!!
>
>
> 75 everyone!
>
> John
>
> K3DBG
>
>
>
>

11558. Re: [orion565] Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-13 22:54:56 UTC
From: bayou50@...
Topic: 11545 Message: 11558

Let me ask this question. The PBT/BW control at the top next to the HI cut/ LO cut control. Does this knob turn right and left for adjustment of BW and PBT? I know you press in in to chose PBT or BW then you turn it left or right to adjust, is this correct?

Dale, KD5UVV

11559. Re: [orion565] Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-13 23:09:21 UTC
From: Barry N1EU
Topic: 11545 Message: 11559

Yes, correct Dale

Barry N1EU

On Tue, Sep 13, 2016 at 10:54 PM, bayou50@hotmail.com [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Let me ask this question. The PBT/BW control at the top next to the HI
> cut/ LO cut control. Does this knob turn right and left for adjustment of
> BW and PBT? I know you press in in to chose PBT or BW then you turn it left
> or right to adjust, is this correct?
>
> Dale, KD5UVV
>
>

11560. Re: [orion565] Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-14 01:40:59 UTC
From: bayou50@...
Topic: 11545 Message: 11560

Thank you Barry.

Dale KD5UVV

11561. Re: [orion565] Orion 565 intermittent TX, not no output at all

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-14 11:17:28 UTC
From: John D.
Topic: 11556 Message: 11561

I'm sorry to have not mentioned that! Nothing in ANY modem, sadly! SSB, AM, FM, FSK, nope, not one watt!
Thanks Barry!
Have a great day!
 Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club

From: "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com>
To: Orion565 <orion565@yahoogroups.com>
Sent: Tuesday, September 13, 2016 5:54 PM
Subject: Re: [orion565] Orion 565 intermittent TX, not no output at all

  How's the transmit in ssb?
73, Barry N1EU
On Tue, Sep 13, 2016 at 8:47 PM, kc3dbg@... [orion565] <orion565@yahoogroups.com> wrote:

  Hello guys, like I said in my last reply, I got a beautiful, mint, Orion 565. It did seem to work for some quick on air signal reports with 2 locals on 10 meters, but then later, I noticed there was no TX out at all!

All this testing the TX out was into a watt meter and them Bird dummy load...

This one does NOT have the tuner installed, so the tune button is a nice way to put out a 20w CW tone, and this was not working (neither was the CW key plugged into the radio). So, since I'm a new owner, I double, and TRIPLE checked everything, RX/TX antenna, VFO A and B, made sure the keying loops were set to off, ect. Finally I did a master reset, still nothing! Then the one time I hit the keyer, I got power out, I hit the keyer and I got the full 100w out. The power seemed to keep working for a while while I was testing into the dummy load. But the next morning, nothing again. I did get 2 times when I did get power out, and the monitor kinda blackened (turned dark) when in TX, so I stopped, quickly tried again, same thing, then no more power out after this! I had ordered the replacement, low ESR caps for the power board, so since the screen reacted to the issue I decided to replace the caps on A9, but as I was expecting, no TX after I put the new caps in.

I checked EVERY cable for a loose connection and no obvious, discolored areas are visible nor was smoke ever smelled.

So, would you technical guys think it is possible the pair of 2SC3133 drivers? They are only about $16 a pair online. I think that would be a great place to start???

I am giving the radio back to my friend that is handling the estate, but I would still like to help him get this working again,

I did purchase a replacement 565AT from a guy in FL (I can't wait for it to arrive). I went from the Icom 706MK2G to the 565! WOW!!!

Thanks for this great group, and I can't wait to get on the air with MY 565!!!
75 everyone!JohnK3DBG

11562. Re: [orion565] Orion 565 intermittent TX, not no output at all

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-14 12:24:06 UTC
From: tarniowy
Topic: 11556 Message: 11562

John,Be careful with 2SC3133 for $16. A lot of them on the market are fake !! You can also switch to transverter output and check if you have any power going to this output .
73,ArekAC2FC

Sent from my Verizon, Samsung Galaxy smartphone
-------- Original message --------From: "'John D.' kc3dbg@yahoo.com [orion565]" <orion565@yahoogroups.com> Date: 9/14/16 7:17 AM (GMT-05:00) To: orion565@yahoogroups.com Subject: Re: [orion565] Orion 565 intermittent TX, not no output at all

I'm sorry to have not mentioned that! Nothing in ANY modem, sadly! SSB, AM, FM, FSK, nope, not one watt!
Thanks Barry!
Have a great day!
 Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club

From: "Barry N1EU barry.n1eu@gmail.com [orion565]" <orion565@yahoogroups.com>
To: Orion565 <orion565@yahoogroups.com>
Sent: Tuesday, September 13, 2016 5:54 PM
Subject: Re: [orion565] Orion 565 intermittent TX, not no output at all

How's the transmit in ssb?
73, Barry N1EU
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Thanks for this great group, and I can't wait to get on the air with MY 565!!!
75 everyone!JohnK3DBG

11563. Re: [orion565] Orion 565 intermittent TX, not no output at all

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-14 13:27:41 UTC
From: KC3DBG
Topic: 11556 Message: 11563

Would XVTR out indicate if the drivers are ok?

Thanks for the heads up!

John D.
K3DBG

Vice president of the Murgas Amateur Radio Club

sent from rooted Samsung S4

On Sep 14, 2016 8:24 AM, "tarniowy tarniowy@yahoo.com [orion565]"
<orion565@yahoogroups.com> wrote:

John,
Be careful with 2SC3133 for $16. A lot of them on the market are fake !!
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73,
Arek
AC2FC

Sent from my Verizon, Samsung Galaxy smartphone

-------- Original message --------
From: "'John D.' kc3dbg@yahoo.com [orion565]" <orion565@yahoogroups.com>
Date: 9/14/16 7:17 AM (GMT-05:00)
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 565 intermittent TX, not no output at all

I'm sorry to have not mentioned that! Nothing in ANY modem, sadly! SSB, AM, FM, FSK, nope, not one watt!

Thanks Barry!

Have a great day!

Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club (http://www.murgasarc.org/)

From: "Barry N1EU barry.n1eu@gmail.com [orion565]" <orion565@yahoogroups.com>
To: Orion565 <orion565@yahoogroups.com>
Sent: Tuesday, September 13, 2016 5:54 PM
Subject: Re: [orion565] Orion 565 intermittent TX, not no output at all

How's the transmit in ssb?

73, Barry N1EU

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Thanks for this great group, and I can't wait to get on the air with MY 565!!!

75 everyone!
John
K3DBG

11564. Orion 2 Filters?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-14 13:44:40 UTC
From: Edward A. Feustel
Topic: 11564 Message: 11564

I just acquired a used 2 w/o add on filters.
I sort of remember that one should not use the Orion One filters because
of a gain problem: the new filters have less loss. Do I remember correctly?
I do have an International Radio 762 at 600 Hz. I think it might be
appropriate.
Is this correct?
Thanks,
Ed Feustel ,N5EI

--

First there must be order and harmony within your own mind. Then this order will spread to your family, the community and finally your entire kingdom. Only then can you have peace and harmony.
- Confucius

11565. Re: [orion565] Orion 2 Filters?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-14 14:39:48 UTC
From: Barry N1EU
Topic: 11564 Message: 11565

It doesn't matter because Orion I filters (including your IR 762) won't physically fit in the Orion II slots. The Orion II, Eagle and RX-366 use the same unique set of filters with a different pin configuration.

Barry N1EU

On Wed, Sep 14, 2016 at 9:44 AM, 'Edward A. Feustel' efeustel@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I just acquired a used 2 w/o add on filters.
> I sort of remember that one should not use the Orion One filters because
> of a gain problem: the new filters have less loss. Do I remember correctly?
> I do have an International Radio 762 at 600 Hz. I think it might be
> appropriate.
> Is this correct?
> Thanks,
> Ed Feustel ,N5EI
>
> --
> ---
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> order will spread to your family, the community and finally your entire
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> - Confucius
>
> ---
>
>
>

11566. Re: [orion565] Orion 565 intermittent TX, not no output at all

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-14 14:28:58 UTC
From: damichael
Topic: 11556 Message: 11566

I had a smiliar problem with my Orion and found that I had to exercise the Xvtr control relay to restore TX output.I Did this by going into the TX menu and turning on and off the Xvtr output a few times.It seems the relay gets oxidized after 10 years of noneuse and no low level TX signals would pass through.
I hope this helps.
73, Mike W3TS

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: "tarniowy tarniowy@yahoo.com [orion565]" <orion565@yahoogroups.com>
Date: 09/14/2016 8:24 AM (GMT-05:00)
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion 565 intermittent TX, not no output at all

<!--

/* start of attachment style */
.ygrp-photo-title{
clear: both;
font-size: smaller;
height: 15px;
overflow: hidden;
text-align: center;
width: 75px;
}
div.ygrp-photo{
background-position: center;
background-repeat: no-repeat;
background-color: white;
border: 1px solid black;
height: 62px;
width: 62px;
}

div.photo-title
a,
div.photo-title a:active,
div.photo-title a:hover,
div.photo-title a:visited {
text-decoration: none;
}

div.attach-table div.attach-row {
clear: both;
}

```
div.attach-table div.attach-row div {
float: left;
/* margin: 2px;*/
}

p {
clear: both;
padding: 15px 0 3px 0;
overflow: hidden;
}

div.ygrp-file {
width: 30px;
valign: middle;
}
div.attach-table div.attach-row div div a {
text-decoration: none;
}

div.attach-table div.attach-row div div span {
font-weight: normal;
}

div.ygrp-file-title {
font-weight: bold;
}
/* end of attachment style */
-->
```

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Sent from my Verizon, Samsung Galaxy smartphone
-------- Original message --------From: "'John D.' kc3dbg@yahoo.com [orion565]" <orion565@yahoogroups.com> Date: 9/14/16 7:17 AM (GMT-05:00) To: orion565@yahoogroups.com Subject: Re: [orion565] Orion 565 intermittent TX, not no output at all

I'm sorry to have not mentioned that! Nothing in ANY modem, sadly! SSB, AM, FM, FSK, nope, not one watt!
Thanks Barry!
Have a great day!
 Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club

From: "Barry N1EU barry.n1eu@gmail.com [orion565]" <orion565@yahoogroups.com>
To: Orion565 <orion565@yahoogroups.com>
Sent: Tuesday, September 13, 2016 5:54 PM
Subject: Re: [orion565] Orion 565 intermittent TX, not no output at all

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Thanks for this great group, and I can't wait to get on the air with MY 565!!!
75 everyone!JohnK3DBG

Posted by: tarniowy <tarniowy@yahoo.com>

11567. Re: [orion565] Receive antenna set up with Orion....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-14 16:01:03 UTC
From: Marty
Topic: 11552 Message: 11567

Dale,

I'm not one of the experts on this list, but I have used some interesting rx/tx setups on my O2 in the past from time to time.

There is a nice switch matrix of buttons right on the front panel where you easily delegate which VFO (A and B) goes to which activity (Rx and Tx) and any combination of that goes to which antenna (ANT1, ANT2, and ANTrx)

What all that means is ANY combination is achieved easily and quickly right from the front panel, no menus to navigate.

I don't know if any other brand of rig will do this so well. It's a unique feature. But regular old transcieving with one VFO into one antenna is just as easy ;-)

Like has been said, make sure you disable transmitting to ANT 1 or 2 if either has a receive only antenna attached to it.

Hope this helps

73 Marty / W4MY

> On Sep 13, 2016, at 8:42 AM, bayou50@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Hello all, I'd like to hear how some of you that use one or more receive antennas with only your Orion, on how you have it set up.
>
>
>
> As I understand it, on the Orion you can have say two receive antennas, one on the receive antenna plug and also one on the 2nd antenna port and use antenna port 1 for transmitting.
>
>
>
> If this is so, does anyone have or has tried a setup like this? Or any other configuration? This is one of the reasons I looked into the Orion. Thanks for all feedback.
>
>
>
> Dale, KD5UVV
>
>

11568. Re: [orion565] Orion 565 intermittent TX, not no output at all

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-15 05:37:43 UTC
From: David Moorman
Topic: 11556 Message: 11568

I had this situation with a 565AT I bought a couple of months ago. A system reset fixed it.

Dave K9SW

> On Sep 13, 2016, at 4:47 PM, kc3dbg@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:
>
> Hello guys, like I said in my last reply, I got a beautiful, mint, Orion 565. It did seem to work for some quick on air signal reports with 2 locals on 10 meters, but then later, I noticed there was no TX out at all!
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>
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>
>
>
> 75 everyone!
>

> John
>
> K3DBG
>
>
>
>
>

11569. Re: [orion565] Orion 565 intermittent TX, not no output at all

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-15 05:41:44 UTC
From: John D.
Topic: 11556 Message: 11569

MIKE, YOU ARE ON TO SOMETHING!!!!!!!!!!
First time I had power out since I almost killed myself, not really, almost is the key word!
I screwed with the on/off for XVTR over and over and.....over..... then "CLICK" power out!
it's STILL intermittent, but at least I'm pointing to SOMETHING being the issue!!!

Mike, you were sent from the ham Gods! Thanks! Now what. ha! I'm SURE the relay is sealed, but EASILY replaced!
I wanted to replay ASAP! I JUST tried this! Still experimenting!
 Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club

From: "damichael damichael@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Wednesday, September 14, 2016 10:28 AM
Subject: Re: [orion565] Orion 565 intermittent TX, not no output at all

  I had a smiliar problem with my Orion and found that I had to exercise the Xvtr control relay to restore TX output.I Did this by going into the TX menu and turning on and off the Xvtr output a few times.It seems the relay gets oxidized after 10 years of noneuse and no low level TX signals would pass through.
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Date: 09/14/2016 8:24 AM (GMT-05:00)
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Subject: Re: [orion565] Orion 565 intermittent TX, not no output at all

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Thanks Barry!
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75 everyone!JohnK3DBG

Posted by: tarniowy <tarniowy@yahoo.com>

11570. Re: [orion565] Orion 565 intermittent TX, not no output at all

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-15 05:48:44 UTC
From: John D.
Topic: 11556 Message: 11570

Thanks for the reply Dave, but that was the first thing I tried! Mike is on to something!!!! GUYS, NOTE THIS AS A POSSIBLE ISSUE!!!!!!!! XVTR RELAY! I'm pulling the cover BACK off right now! It's gonna be a late night!
 Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club

From: "David Moorman dmoorman4@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Thursday, September 15, 2016 1:37 AM
Subject: Re: [orion565] Orion 565 intermittent TX, not no output at all

  I had this situation with a 565AT I bought a couple of months ago.   A system reset fixed it.
Dave K9SW

On Sep 13, 2016, at 4:47 PM, kc3dbg@... [orion565] <orion565@yahoogroups.com> wrote:
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I am giving the radio back to my friend that is handling the estate, but I would still like to help him get this working again,

I did purchase a replacement 565AT from a guy in FL (I can't wait for it to arrive). I went from the Icom 706MK2G to the 565! WOW!!!

Thanks for this great group, and I can't wait to get on the air with MY 565!!!
75 everyone!JohnK3DBG

11571. Re: [orion565] Receive antenna set up with Orion....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-15 16:52:45 UTC
From: bayou50@...
Topic: 11552 Message: 11571

Hello Marty, yes it is a very nice feature that I really like. Thanks for the info. 73

Dale KD5UVV

11572. Re: [orion565] Orion 565 intermittent TX, not no output at all

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-16 02:59:27 UTC
From: David Moorman
Topic: 11556 Message: 11572

I figured you'd tried it, John, but thought I'd mention it just in case.

Dave K9SW

> On Sep 15, 2016, at 1:48 AM, 'John D.' kc3dbg@... <mailto:kc3dbg@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
> Thanks for the reply Dave, but that was the first thing I tried! Mike is on to something!!!! GUYS, NOTE THIS AS A POSSIBLE ISSUE!!!!!!! XVTR RELAY! I'm pulling the cover BACK off right now! It's gonna be a late night!
>
> Thanks,
> K3DBG
> John D.
> Vice President for the Murgas Amateur Radio Club <http://www.murgasarc.org/>

11573. Re: Receive antenna set up with Orion....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-16 04:53:23 UTC
From: ve7tk@...
Topic: 11552 Message: 11573

I have not been following this thread closely BUT if you are using the RX ANT be careful. This antenna is NOT switched during TX. You must protect the Orion's front end with a relay or a passive device such as the Array Solutions Receiver Front End Protector RF Limiter/Arrestor.

I use the latter with my K9AY receive antenna.

73, Rick
VE7TK

11574. Re: Orion 565 intermittent TX, not no output at all

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-17 00:29:43 UTC
From: Lester
Topic: 11556 Message: 11574

If meter goes dark it may be bad ps or power cord, power connector, fuse link.

Sent from my iPad

11575. Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-19 01:08:17 UTC
From: bayou50@...
Topic: 11545 Message: 11575

Well still have not heard anything from Ten Tec about doing repair work. Nothing at all....

Dale KD5UVV

11576. Re: [orion565] Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-19 01:30:04 UTC
From: amfone
Topic: 11545 Message: 11576

Not a good sign Dale. I could not find their website the other day. I suppose they don't have a phone number to contact either or you would have called.
Well where does that leave us,with a costly doorstop, I hope not.
TimWB8UHZ

On Monday, September 19, 2016 1:08 AM, "bayou50@hotmail.com [orion565]" <orion565@yahoogroups.com> wrote:

  Well still have not heard anything from Ten Tec about doing repair work. Nothing at all....

Dale KD5UVV

11577. Re: [orion565] Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-19 01:40:19 UTC
From: N4IJ .
Topic: 11545 Message: 11577

I had a couple of the encoders on my OMNI VII go bad. At the time Ten Tec has none available. I suspect they were saving what they had for themselves. But I ended finding some that were close, and changed them myself. It wasn't easy, but I am 71 yrs old and managed. Getting them physically aligned was the trick.

Doug N4IJ

On Sun, Sep 18, 2016 at 8:08 PM, bayou50@hotmail.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Well still have not heard anything from Ten Tec about doing repair work.
> Nothing at all....
>
>
>
> Dale KD5UVV
>
>
>

11578. Re: [orion565] Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-19 07:03:44 UTC
From: Martin Sole
Topic: 11545 Message: 11578

Hello Doug,

When you say close I wonder how close? Do you have a reference for the part you used?

I have one bad encoder on my Orion, switch is bad, I did repair another using a very similar encoder that had detents. I disassembled the encoder and removed the detent mechanism. Anyone with a good magnifier should find this possible though it's certainly tricky and I'm not sure I want to repeat it.

Similarly I wonder if any of the encoders out there with detents might be considered an otherwise ideal fit, I'm quite comfortable with the idea of detents if the individual steps are not going to cause multiple steps in the software.

IS there a viable non-detent replacement off the shelf?

Martin, HS0ZED

On 19/09/2016 04:40, 'N4IJ .' dougn4ij@... [orion565] wrote:
> I had a couple of the encoders on my OMNI VII go bad. At the time Ten
> Tec has none available. I suspect they were saving what they had for
> themselves.
> But I ended finding some that were close, and changed them myself. It
> wasn't easy, but I am 71 yrs old and managed. Getting them physically
> aligned was the trick.
>
> Doug N4IJ
>
> On Sun, Sep 18, 2016 at 8:08 PM, bayou50@...
> <mailto:bayou50@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> Well still have not heard anything from Ten Tec about doing repair
> work. Nothing at all....
>
>
>
>
>
> Dale KD5UVV
>
>
>

11579. Re: [orion565] Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-19 11:23:49 UTC
From: Barry N1EU
Topic: 11545 Message: 11579

I don't believe the small non-detented Bourns encoders are available. I
also don't think it's a big deal to just use the detented encoders.

73, Barry N1EU

On Mon, Sep 19, 2016 at 3:03 AM, Martin Sole hs0zed@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hello Doug,
>
> When you say close I wonder how close? Do you have a reference for the
> part you used?
>
> I have one bad encoder on my Orion, switch is bad, I did repair another
> using a very similar encoder that had detents. I disassembled the encoder
> and removed the detent mechanism. Anyone with a good magnifier should find
> this possible though it's certainly tricky and I'm not sure I want to
> repeat it.
>
> Similarly I wonder if any of the encoders out there with detents might be
> considered an otherwise ideal fit, I'm quite comfortable with the idea of
> detents if the individual steps are not going to cause multiple steps in
> the software.
>
> IS there a viable non-detent replacement off the shelf?
>
>
> Martin, HS0ZED
>
>
>
> On 19/09/2016 04:40, 'N4IJ .' dougn4ij@... [orion565] wrote:
>
>
> I had a couple of the encoders on my OMNI VII go bad. At the time Ten Tec
> has none available. I suspect they were saving what they had for themselves.
> But I ended finding some that were close, and changed them myself. It
> wasn't easy, but I am 71 yrs old and managed. Getting them physically
> aligned was the trick.
>
> Doug N4IJ
>
> On Sun, Sep 18, 2016 at 8:08 PM, bayou50@... [orion565] <
> orion565@yahoogroups.com> wrote:

>
>>
>>
>> Well still have not heard anything from Ten Tec about doing repair work.
>> Nothing at all....
>>
>>
>>
>> Dale KD5UVV
>>
>>
>
>
>

11580. Re: [orion565] Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-19 22:32:07 UTC
From: N4IJ .
Topic: 11545 Message: 11580

The ones I bought and put in were ever so different in length so the
collars would not tighten correctly. A physical thing. Mine also had a
different
detent count, so I have to turn them more for the same change.

Doug N4IJ

On Mon, Sep 19, 2016 at 2:03 AM, Martin Sole hs0zed@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hello Doug,
>
> When you say close I wonder how close? Do you have a reference for the
> part you used?
>
> I have one bad encoder on my Orion, switch is bad, I did repair another
> using a very similar encoder that had detents. I disassembled the encoder
> and removed the detent mechanism. Anyone with a good magnifier should find
> this possible though it's certainly tricky and I'm not sure I want to
> repeat it.
>
> Similarly I wonder if any of the encoders out there with detents might be
> considered an otherwise ideal fit, I'm quite comfortable with the idea of
> detents if the individual steps are not going to cause multiple steps in
> the software.
>
> IS there a viable non-detent replacement off the shelf?
>
>
> Martin, HS0ZED
>
>
>
> On 19/09/2016 04:40, 'N4IJ .' dougn4ij@... [orion565] wrote:
>
>
> I had a couple of the encoders on my OMNI VII go bad. At the time Ten Tec
> has none available. I suspect they were saving what they had for themselves.
> But I ended finding some that were close, and changed them myself. It
> wasn't easy, but I am 71 yrs old and managed. Getting them physically
> aligned was the trick.
>
> Doug N4IJ
>

> On Sun, Sep 18, 2016 at 8:08 PM, bayou50@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> Well still have not heard anything from Ten Tec about doing repair work.
>> Nothing at all....
>>
>>
>>
>> Dale KD5UVV
>>
>>
>
>
>

11581. Fwd: Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-20 23:45:06 UTC
From: George Keene
Topic: 11581 Message: 11581

---------- Forwarded message ----------
From: Steven M. Dishop <Steven.Dishop@...>
Date: Tue, Sep 20, 2016 at 4:44 PM
Subject: RE: Ten Tec
To: George Keene <gkeene85@...>

We are occupied until mid October, Robert will return calls and email later this week. Service people are working and we are overloaded.

From: George Keene [mailto:gkeene85@...]
Sent: Tuesday, September 20, 2016 9:17 AM
To: Steven M. Dishop <Steven.Dishop@...>
Subject: Ten Tec

Since ten tec is not even answering their emails would you be so kind to let me know if they will in back business any time soon. I have a Orion that needs repair. Thank You George Keene KB9QAA

11582. Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-21 01:03:22 UTC
From: Jim M.
Topic: 11545 Message: 11582

I don't know how these encoders are constructed, but if you can open it to gain access to the optics then a repair might be possible. I have an old Harris HF amplifier here which has auto tuning and uses a multiturn optical encoder to determine coil position. The tuning was unreliable and inconsistent and I traced it to this encoder, which of course isn't made any more. With nothing to lose, I managed to open it up to reveal a slotted wheel and a pair of LED/optical detector gadgets positioned around the wheel to count pulses produced by the illumination of the leds through the slots and onto the light detectors. Everything "looked" fine, so I decided to give the optics a good cleaning. Put it back together and now works great. I suspect some haze or film had gradually developed on the optics causing erratic operation. Might be worth a try with the encoders TenTec used. Just a thought.
Jim N4BE

11583. Re: [orion565] Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-21 01:06:37 UTC
From: Barry N1EU
Topic: 11545 Message: 11583

I believe these small encoders are mechanical, not optical.

73, Barry N1EU

On Tue, Sep 20, 2016 at 9:03 PM, 'Jim M.' n4be_jim@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> I don't know how these encoders are constructed, but if you can open it to
> gain access to the optics then a repair might be possible. I have an old
> Harris HF amplifier here which has auto tuning and uses a multiturn optical
> encoder to determine coil position. The tuning was unreliable and
> inconsistent and I traced it to this encoder, which of course isn't made
> any more. With nothing to lose, I managed to open it up to reveal a
> slotted wheel and a pair of LED/optical detector gadgets positioned around
> the wheel to count pulses produced by the illumination of the leds through
> the slots and onto the light detectors. Everything "looked" fine, so I
> decided to give the optics a good cleaning. Put it back together and now
> works great. I suspect some haze or film had gradually developed on the
> optics causing erratic operation. Might be worth a try with the encoders
> TenTec used. Just a thought.
>
> Jim N4BE
>
>
>

11584. Re: [orion565] Fwd: Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-21 04:46:27 UTC
From: amfone
Topic: 11581 Message: 11584

Where do you even find the Ten Tec site to email or make a phone call for needed repairs? Is Ten Tec even producing any radios now?
TimWB8UHZ

On Tuesday, September 20, 2016 11:46 PM, "George Keene gkeene85@... [orion565]" <orion565@yahoogroups.com> wrote:

---------- Forwarded message ----------
From: Steven M. Dishop <Steven.Dishop@...>
Date: Tue, Sep 20, 2016 at 4:44 PM
Subject: RE: Ten Tec
To: George Keene <gkeene85@...>

We are occupied until mid October, Robert will return calls and email later this week. Service people are working and we are overloaded. From: George Keene [mailto:gkeene85@...] Sent: Tuesday, September 20, 2016 9:17 AM
To: Steven M. Dishop <Steven.Dishop@Dishtronix.com>
Subject: Ten Tec Since ten tec is not even answering their emails would you be so kind to let me know if they will in back business any time soon. I have a Orion that needs repair. Thank You George Keene KB9QAA

11585. Re: [orion565] Fwd: Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-21 10:04:25 UTC
From: vhklein@...
Topic: 11581 Message: 11585

For some reason their website does not come up in a Google search, instead you see the old RKR site. However, enter tentec.com directly into your browser and you'll see the new site and contact information for service.

=Vic=
WA4THR

11586. Re: [orion565] Fwd: Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-21 12:13:56 UTC
From: amfone
Topic: 11581 Message: 11586

Thanks
TimI will try that.

On Wednesday, September 21, 2016 10:04 AM, "vhklein@... [orion565]" <orion565@yahoogroups.com> wrote:

For some reason their website does not come up in a Google search, instead you see the old RKR site. However, enter tentec.com directly into your browser and you'll see the new site and contact information for service.

=Vic=
WA4THR

11587. For Sale: LP-PAN and MicroHam MicroKeyer for Orion, OrionII

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-21 13:07:08 UTC
From: Barry N1EU
Topic: 11587 Message: 11587

I'm offering a package deal:

1. factory wired LP-PAN (configured for Orion i.f. but also including parts to convert to K3 i.f.)
2. MicroHam MicroKeyer plus DB37 Orion/OrionII interface cable (see reviews at http://www.eham.net/reviews/detail/4598)

For a screenshot taken on my PC of this panadapter running on my Orion, see http://www.tentecwiki.org/lib/exe/fetch.php?cache=&media=orionpan3.jpg

A specific advantage of using the MicroKeyer with the LP-PAN is that the MicroKeyer software includes a USB router that makes it easy to share out the CAT interface with logging software and panadapter software (NaP3 recommended)

Package offered for $300 shipping CONUS

73, Barry N1EU

11590. Re: Bad PBT/BW Encoder

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-22 03:37:39 UTC
From: Eric Rosenberg
Topic: 11545 Message: 11590

Arek, AC2FC, replaced the encoders on my vintage 2004 Orion 565 with the ones suggested by N1EU and others.

Two of the replacements failed. The movement of one encoder (in this case AF gain) became limited and then appeared to free itself, only to stop functioning altogether. Th second encoder 's push on/off toggle became quite stiff and occasionally sticky.

Arek was unable to find a substitute.

73,
Eric W3DQ

11591. Again... where to buy new LCD

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-22 20:52:03 UTC
From: giulianori@...
Topic: 11591 Message: 11591

I see in this message:

Re: Where to buy new LCD"
that the following code :
NHD-320240WG-ATMI-NZ Is a a blue display compatible with ORION 1, unfortunately this code is obsolete but in Mouser I found this new code:
NHD-320240WG-ATMI-TZ
The Mouser code is 763-320240WGATMITZ# it seems that it is perfectly equivalent and still in production. is sold in Mouser's $ 68 ..... someone has already experienced it?

73
Giuliano I0CG
orion 1 SN 02C10734

11592. Re: [orion565] Again... where to buy new LCD

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-23 04:50:40 UTC
From: John D.
Topic: 11591 Message: 11592

If other's would reply, as I've seen the "Green" screen replacement, but don't know where or what they used??
However, there IS one for sale on the big online auction site, just search for: "Parts Bonanza Ten Tec Orion HF Ham Transceiver - LCD Display in Excellent Condx"
OR, I searched (on ebay) TenTec Orion and it's one of the results, but the above is the exact name of the listing!

I'd still love to know what they are using for the green and blue screen I've seen in other 565's...
GOOD LUCK!!
 Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club

From: "giulianori@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Thursday, September 22, 2016 4:52 PM
Subject: [orion565] Again... where to buy new LCD

I see in this message:

Re: Where to buy new LCD"

that the following code :

NHD-320240WG-ATMI-NZ
Is a a blue display compatible with ORION 1, unfortunately this code is obsolete but in Mouser I found this new code:
NHD-320240WG-ATMI-TZ

The Mouser code is   763-320240WGATMITZ#
it seems that it is perfectly equivalent and still in production. is sold in Mouser's $ 68 ..... someone has already experienced it?

73
Giuliano I0CG
  orion 1 SN 02C10734

11593. Re: [orion565] Fwd: Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-23 04:55:47 UTC
From: John D.
Topic: 11581 Message: 11593

I guess you got the info you need, but from emailing with the new president (who was VERY rude to my asking if they were still servicing radios) said they ARE still servicing, but not making any new ones just yet, THOUGH it is planned in the near future.
So, from his attitude, it doesn't look good! Though the serviceman that replied was VERY kind and helpful, but he's not in charge of the company's future! No matter how I feel about the way the president replied to my query, I LOVE my Orion!!! I hope I NEVER need it serviced, cause it'll go elsewhere!
 Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club

From: "amfone amfone20000@yahoo.com [orion565]" <orion565@yahoogroups.com>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: Wednesday, September 21, 2016 12:46 AM
Subject: Re: [orion565] Fwd: Ten Tec

  Where do you even find the Ten Tec site to email or make a phone call for needed repairs? Is Ten Tec even producing any radios now?
TimWB8UHZ

On Tuesday, September 20, 2016 11:46 PM, "George Keene gkeene85@... [orion565]" <orion565@yahoogroups.com> wrote:

---------- Forwarded message ----------
From: Steven M. Dishop <Steven.Dishop@...>
Date: Tue, Sep 20, 2016 at 4:44 PM
Subject: RE: Ten Tec
To: George Keene <gkeene85@...>

We are occupied until mid October, Robert will return calls and email later this week. Service people are working and we are overloaded. From: George Keene [mailto:gkeene85@...]
Sent: Tuesday, September 20, 2016 9:17 AM
To: Steven M. Dishop <Steven.Dishop@...>
Subject: Ten Tec Since ten tec is not even answering their emails would you be so kind to let me know if they will in back business any time soon. I have a Orion that needs repair.   Thank You   George Keene KB9QAA

11594. Orion 565/JT65 problen

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-23 16:59:12 UTC
From: Fred Keisling
Topic: 11594 Message: 11594

Hi: My name is Fred and I am new member.
I need help in setting up JT65 on my Orion II with a SignaLink USB.
I installed the WSJT-X program but I can’t get it to connect to the radio.

If you think you can help me please send me an e-Mail with your
Phone number, date and a time I can call you.

Thanks,
KF4FK – Fred
Kf4fk@...

Sent from Mail for Windows 10

11595. Mac question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-25 04:01:53 UTC
From: Steven Hammond
Topic: 11595 Message: 11595

I'm looking at replacing my old DELL PC with my MAC PRO laptop (and/or Mac mini) in the shack. I have a couple of questions for anyone using a MAC to work with their Orion 2.

1. What is the best logging software for the mac? I know that is pretty subjective. I'm currently using HRD. I mainly use the logging, cluster, and digital mode software. I don't mind separate pieces but I would like it to work with my LOTW and eQSL account if possible.

2. What USB<==>SERIAL cable would you recommend? I installed serial card in the last workstation just to forego the conversion since I never seemed to be able to get it to work properly.

3. Any shortcomings or gotchas I should be aware of using the MAC?

Thanks in advance.

Steven Hammond - KY5M

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11596. Re: [orion565] Mac question

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-25 04:07:27 UTC
From: Martin Sole
Topic: 11595 Message: 11596

I can't speak for the USB to serial port question, All I've ever had worked without issue. If you are running OSX on your MAC I suggest you download and try RUMlogNG, http://www.dl2rum.de/rumsoft/RUMLog.html for a fairly full featured FREE logging program.

Martin, HS0ZED

On 25/09/2016 07:01, Steven Hammond bcf1689@... [orion565] wrote:
>
> I'm looking at replacing my old DELL PC with my MAC PRO laptop (and/or
> Mac mini) in the shack. I have a couple of questions for anyone using a
> MAC to work with their Orion 2.
>
> 1. What is the best logging software for the mac? I know that is pretty
> subjective. I'm currently using HRD. I mainly use the logging,
> cluster, and digital mode software. I don't mind separate pieces but I
> would like it to work with my LOTW and eQSL account if possible.
>
> 2. What USB<==>SERIAL cable would you recommend? I installed serial
> card in the last workstation just to forego the conversion since I never
> seemed to be able to get it to work properly.
>
> 3. Any shortcomings or gotchas I should be aware of using the MAC?
>
> Thanks in advance.
>
> Steven Hammond - KY5M
>
> ---
> This email has been checked for viruses by Avast antivirus software.
> https://www.avast.com/antivirus
>
>

11597. Re: Orion 565/JT65 problen

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-28 13:13:33 UTC
From: k4tax@...
Topic: 11594 Message: 11597

Fred: You will need to add a RS-232 to USB converter and use it in addition to the SignaLink USB. The data cable/converter should have the FTDI chip set. Others may work or may not work. The ones I use have been purchased from R T Systems. Others I've used were less than successful.

The SignaLink USB only handles audio to and from the radio/computer. For frequency and mode control you will need the other cable.

Hope this helps.

73
Bob, K4TAX

Hi: My name is Fred and I am new member.
I need help in setting up JT65 on my Orion II with a SignaLink USB.
I installed the WSJT-X program but I can’t get it to connect to the radio.

If you think you can help me please send me an e-Mail with your
Phone number, date and a time I can call you.

Thanks,
KF4FK – Fred
Kf4fk@... mailto:Kf4fk@...

11598. RE: [orion565] Re: Orion 565/JT65 problen

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-28 15:09:19 UTC
From: <kf4fk@...>
Topic: 11594 Message: 11598

Thanks for the reply Bob.
I looked on the R T Systems web site under cables and could not find a cable with a FTDI chip set.
I did find a RTS-03 cable that mite work.
If this is the cable your talking about I will order it. Please let me know.

Thanks,
Fred, KF4FK

Sent from Mail for Windows 10

From: k4tax@... [orion565]

[Non-text portions of this message have been removed]

11599. Re: [orion565] Re: Orion 565/JT65 problen

Yahoo group: orion565 (2014 — 2017)
Date: 2016-09-28 19:45:06 UTC
From: Bob McGraw K4TAX
Topic: 11594 Message: 11599

Fred:

I suggest you give them a call just to be on the safe side. I believe ALL of their devices use the FTDI chips. These are the devices and cables which have previously been evaluated and sold by Tentec. You just need to connect the RS-232 port on the back of the Orion to the USB port on your computer.

Personally, in my daily operations, I circumvented all of that by adding a real RS-232 card to my desktop computer. That way I only need a cable and not any form of conversion. As I have done a lot of beta testing for Tentec, I was swapping, loading and re-loading firmware into a radio, sometimes 2 and 3 times an hour. This way I could precisely compare an earlier version with a later version.

Anyway, if you have the SignaLink USB, it handles only the audio and the RS-232 to USB handles the data for mode, frequency and other functions of the radio.

73

Bob, K4TAX

On 9/28/2016 10:09 AM, kf4fk@... [orion565] wrote:
>
> Thanks for the reply Bob.
> I looked on the R T Systems web site under cables and could not find a
> cable with a FTDI chip set.
> I did find a RTS-03 cable that mite work.
> If this is the cable your talking about I will order it. Please let me
> know.
>
> Thanks,
> Fred, KF4FK
>
> Sent from Mail for Windows 10
>
> From: k4tax@... [orion565]
>
> [Non-text portions of this message have been removed]
>
>

11600. Orion 1 problem, need help....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-01 20:31:24 UTC
From: bayou50@...
Topic: 11600 Message: 11600

Hello all, this is a problem that has happen a few times with my Orion 1 (have owned it for almost a month now) sometimes when I turn the rig on, I get very low receive (almost no receive). But I can sometimes get the receive back to normal by turning the rig on and off a few times. so it may be the relays, not sure.

But if this does not work I have taken the cover off and press and wiggle the caps on the A9 board (that gets very hot by the way) and wiggle all the cables that I see and have got the receive back to normal that way.

Also from the looks of it one of the caps on the A9 board was changed by the previous owner. So I'm guessing he had some type of trouble before also.

This has happened maybe 3 times and so far, have always been able to get the receive back to normal. But I'm worried that this my get worst as time goes on.

Has anyone else run across this same type of problem? Any thoughts?

Thanks, Dale KD5UVV

11601. Re: [orion565] Orion 1 problem, need help....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-04 05:28:27 UTC
From: David Moorman
Topic: 11600 Message: 11601

I had a problem with no transmit, but a master reset fixed that. I did change the caps on the A9 board, which seems to have improved rig functioning. So you might try that.

What version of the software are you using?

Dave K9SW

> On Oct 1, 2016, at 3:31 PM, bayou50@... [orion565] <orion565@yahoogroups.com> wrote:
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>
> Hello all, this is a problem that has happen a few times with my Orion 1 (have owned it for almost a month now) sometimes when I turn the rig on, I get very low receive (almost no receive). But I can sometimes get the receive back to normal by turning the rig on and off a few times. so it may be the relays, not sure.
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> But if this does not work I have taken the cover off and press and wiggle the caps on the A9 board (that gets very hot by the way) and wiggle all the cables that I see and have got the receive back to normal that way.
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> Also from the looks of it one of the caps on the A9 board was changed by the previous owner. So I'm guessing he had some type of trouble before also.
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> This has happened maybe 3 times and so far, have always been able to get the receive back to normal. But I'm worried that this my get worst as time goes on.
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> Has anyone else run across this same type of problem? Any thoughts?
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> Thanks, Dale KD5UVV
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11602. Re: [orion565] Orion 1 problem, need help....

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-05 03:24:27 UTC
From: bayou50@...
Topic: 11600 Message: 11602

Hello Dave, I'm running Version 3.032x5 with DSP 2.08b88

I think I will change the caps on the A9 board also. Thanks for the info. 73

Dale, KD5UVV

11603. Re: Fwd: Ten Tec

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-11 23:59:08 UTC
From: condy.alley@...
Topic: 11581 Message: 11603

I just had my 565 Orion serviced by the TenTec folks at a very equitable price. I followed the instructions, sent an email, received a reply with RA number and shipped my radio. Service was performed and the rig was shipped back to me. You can't go wrong if you follow the instructions. Mr. Dishop runs more than one company and he is not the repair person.

Condy NI4Z

11604. Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-13 18:36:39 UTC
From: amfone
Topic: 5401 Message: 11604

Group I need some advice. I have the original Orion. When I load it into a Drake L7 I tune to 500 watts output. However I noted the amp, if I put the Orion back into the tune position drops in power to 300 watts. The problem is not the amp its the Orion.
Testing the Orion in the tune position when you use the multi control to put the drive at 50 watts it does not stay there. Once I stop transmitting and push the tune button a second time the power has dropped by about 50% to about 25 watts. Moving the Multi control will increase the drive back to 50 watts but once I stop transmitting and then push the tune button again the power has dropped off. The problem is like a dirty switch but I was under the impression that normal switches of old variety are not used. Any suggestions?
Thanks 73 TimWB8UHZ

11605. Re: [orion565] Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-13 19:31:47 UTC
From: Bruce Small
Topic: 5401 Message: 11605

This is the intended behavior of the TUNE button. From the 565 manual:

"The TUNE button, when pressed, will transmit a CW carrier at approximately 20 watts output power to allow either the internal automatic tuner to tune (if installed) or for user adjustment of an external antenna tuner or linear amplifier.

It may be desirable to have keydown CW carrier output at the power output level set by pushing the PWR control button. To do so, press the PWR button immediately after pushing the TUNE button. Power output will move from the low power setting to whatever level the PWR control has been set at with the MULTI knob. _Repeat operation will require pushing TUNE then PWR again for the higher output value_."

73,
Bruce, KM2L

On 10/13/2016 2:36 PM, amfone amfone20000@... [orion565] wrote:
> Group I need some advice. I have the original Orion. When I load it
> into a Drake L7 I tune to 500 watts output. However I noted the amp,
> if I put the Orion back into the tune position drops in power to 300
> watts. The problem is not the amp its the Orion.
>
> Testing the Orion in the tune position when you use the multi control
> to put the drive at 50 watts it does not stay there. Once I stop
> transmitting and push the tune button a second time the power has
> dropped by about 50% to about 25 watts. Moving the Multi control will
> increase the drive back to 50 watts but once I stop transmitting and
> then push the tune button again the power has dropped off. The problem
> is like a dirty switch but I was under the impression that normal
> switches of old variety are not used. Any suggestions?
>
> Thanks 73 Tim
> WB8UHZ
>

11606. Re: [orion565] Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-13 20:14:06 UTC
From: Bob McGraw K4TAX
Topic: 5401 Message: 11606

Typically the Orion defaults to about 20 to 25 watts in TUNE mode. If you set the PWR to 50 watts in CW mode and then activate TUNE the default of 20 to 25 watts is valid. Now while in TUNE you can increase this power via the MULTI knob to 50 watts to tune your amp. However on the next activation of TUNE it will default back to the 20 to 25 watt value.

What you observe and describe is normal operation for the Orion. I don't recall the Orion having the feature to set the default TUNE power to any value other than 25 watts. The easiest way to work around this is to tune the amp with the Orion in CW mode and set for the power you desire. If you have some other need or objective, let me know.

73

Bob, K4TAX

On 10/13/2016 1:36 PM, amfone amfone20000@... [orion565] wrote:
> Group I need some advice. I have the original Orion. When I load it
> into a Drake L7 I tune to 500 watts output. However I noted the amp,
> if I put the Orion back into the tune position drops in power to 300
> watts. The problem is not the amp its the Orion.
>
> Testing the Orion in the tune position when you use the multi control
> to put the drive at 50 watts it does not stay there. Once I stop
> transmitting and push the tune button a second time the power has
> dropped by about 50% to about 25 watts. Moving the Multi control will
> increase the drive back to 50 watts but once I stop transmitting and
> then push the tune button again the power has dropped off. The problem
> is like a dirty switch but I was under the impression that normal
> switches of old variety are not used. Any suggestions?
>
> Thanks 73 Tim
> WB8UHZ
>

11607. Re: [orion565] Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-13 20:29:10 UTC
From: amfone
Topic: 5401 Message: 11607

OK thanks very much for your help Bob and Bruce I appreciate it very much and nice to know that the Orion I have had since 2004 does this!! There is an old adage that you learn something every day and I have.
Thanks again.
73 TimWB8UHZ

On Thursday, October 13, 2016 8:14 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

Typically the Orion defaults to about 20 to 25 watts in TUNE mode. If you set the PWR to 50 watts in CW mode and then activate TUNE the default of 20 to 25 watts is valid. Now while in TUNE you can increase this power via the MULTI knob to 50 watts to tune your amp. However on the next activation of TUNE it will default back to the 20 to 25 watt value. What you observe and describe is normal operation for the Orion. I don't recall the Orion having the feature to set the default TUNE power to any value other than 25 watts. The easiest way to work around this is to tune the amp with the Orion in CW mode and set for the power you desire. If you have some other need or objective, let me know.

73 Bob, K4TAX

On 10/13/2016 1:36 PM, amfone amfone20000@... [orion565] wrote:

Group I need some advice. I have the original Orion. When I load it into a Drake L7 I tune to 500 watts output. However I noted the amp, if I put the Orion back into the tune position drops in power to 300 watts. The problem is not the amp its the Orion.
Testing the Orion in the tune position when you use the multi control to put the drive at 50 watts it does not stay there. Once I stop transmitting and push the tune button a second time the power has dropped by about 50% to about 25 watts. Moving the Multi control will increase the drive back to 50 watts but once I stop transmitting and then push the tune button again the power has dropped off. The problem is like a dirty switch but I was under the impression that normal switches of old variety are not used. Any suggestions?
Thanks 73 Tim WB8UHZ

11608. Re: [orion565] Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-13 23:51:34 UTC
From: Bob McGraw K4TAX
Topic: 5401 Message: 11608

Tim:

Since you posted to the AMPhone group, this leads me to suspect you may be operating the Orion and Drake L7 on AM mode. While this is OK, I would suggest you tune and load the Drake amp to maximum output per ratings, and then reduce the power from the Orion to attain a total carrier power output of 1/4 the maximum output or 375 watts carrier. This will net 1500 watts PEP in AM mode. After tuning the Drake for maximum output in CW mode and then switch to AM mode, do not change the tuning on the Drake in order to maintain best efficiency and linearity.

73

Bob, K4TAX

On 10/13/2016 3:29 PM, amfone amfone20000@... [orion565] wrote:
> OK thanks very much for your help Bob and Bruce I appreciate it very
> much and nice to know that the Orion I have had since 2004 does this!!
> There is an old adage that you learn something every day and I have.
>
> Thanks again.
>
> 73 Tim
> WB8UHZ
>
>
> On Thursday, October 13, 2016 8:14 PM, "Bob McGraw K4TAX
> RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:
>
>
> Typically the Orion defaults to about 20 to 25 watts in TUNE mode. If
> you set the PWR to 50 watts in CW mode and then activate TUNE the
> default of 20 to 25 watts is valid. Now while in TUNE you can
> increase this power via the MULTI knob to 50 watts to tune your amp.
> However on the next activation of TUNE it will default back to the 20
> to 25 watt value.
> What you observe and describe is normal operation for the Orion. I
> don't recall the Orion having the feature to set the default TUNE
> power to any value other than 25 watts. The easiest way to work around
> this is to tune the amp with the Orion in CW mode and set for the
> power you desire. If you have some other need or objective, let me
> know.
>
> 73
> Bob, K4TAX
>

> On 10/13/2016 1:36 PM, amfone amfone20000@...
> <mailto:amfone20000@...> [orion565] wrote:
>> Group I need some advice. I have the original Orion. When I load it
>> into a Drake L7 I tune to 500 watts output. However I noted the amp,
>> if I put the Orion back into the tune position drops in power to 300
>> watts. The problem is not the amp its the Orion.
>>
>> Testing the Orion in the tune position when you use the multi control
>> to put the drive at 50 watts it does not stay there. Once I stop
>> transmitting and push the tune button a second time the power has
>> dropped by about 50% to about 25 watts. Moving the Multi control will
>> increase the drive back to 50 watts but once I stop transmitting and
>> then push the tune button again the power has dropped off. The
>> problem is like a dirty switch but I was under the impression that
>> normal switches of old variety are not used. Any suggestions?
>>
>> Thanks 73 Tim
>> WB8UHZ
>
>
>
>

11609. Using the Orion 1 (565)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-14 02:30:03 UTC
From: bayou50@...
Topic: 11609 Message: 11609

Hello everyone, I must say after using the Orion for a little over a month now, and that being 95% of the time receiving and just learning the radio, this is one fine piece of equipment!

Ten Tec really was on to something with the Orion's. And that makes it even more sad to think this maybe the end for the Orion's.

The more I use and learn about this radio the more I like it. I'm going to change the caps on the A9 board and install an internal cooling fan (in place of the speaker) and hopefully this will aid in keeping this wonderful rig going for some time. As I truly enjoy operating this transceiver.

73, Dale KD5UVV

11610. Re: [orion565] Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-14 14:17:15 UTC
From: amfone
Topic: 5401 Message: 11610

Bob
Thanks for all you information but do you think the L7 can handle 375 watts of carrier output? The L7 is a continuous duty amplifier but the manual notes if using a fully plated modulated transmitter load the L7 to 500 watts input. Based on 50% efficiency I read that to mean 250 watts output I don't think the 375 level would be good for the amp do you? I tune the amp to resonance at about 400 to 500 watts output, then I reduce the exciter power to allow the L7 to operate at 100 to 125 watts output that is what I do. I'm interested in your comments about this so I'll wait to hear from you. When using the L7 I drive it with the Orion or a Flex 5000.

73 TimWB8UHZ

On Thursday, October 13, 2016 11:51 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

Tim: Since you posted to the AMPhone group, this leads me to suspect you may be operating the Orion and Drake L7 on AM mode. While this is OK, I would suggest you tune and load the Drake amp to maximum output per ratings, and then reduce the power from the Orion to attain a total carrier power output of 1/4 the maximum output or 375 watts carrier. This will net 1500 watts PEP in AM mode. After tuning the Drake for maximum output in CW mode and then switch to AM mode, do not change the tuning on the Drake in order to maintain best efficiency and linearity. 73 Bob, K4TAX

On 10/13/2016 3:29 PM, amfone amfone20000@... [orion565] wrote:

OK thanks very much for your help Bob and Bruce I appreciate it very much and nice to know that the Orion I have had since 2004 does this!! There is an old adage that you learn something every day and I have.
Thanks again.
73 Tim WB8UHZ

On Thursday, October 13, 2016 8:14 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

Typically the Orion defaults to about 20 to 25 watts in TUNE mode. If you set the PWR to 50 watts in CW mode and then activate TUNE the default of 20 to 25 watts is valid. Now while in TUNE you can increase this power via the MULTI knob to 50 watts to tune your amp. However on the next activation of TUNE it will default back to the 20 to 25 watt value. What you observe and describe is normal operation for the Orion. I don't recall the Orion having the feature to set the default TUNE power to any value other than 25 watts. The easiest way to work around this is to tune the amp with the Orion in CW mode and set for the power you desire. If you have some other need or objective, let me know.

73 Bob, K4TAX

On 10/13/2016 1:36 PM, amfone amfone20000@... [orion565] wrote:

Group I need some advice. I have the original Orion. When I load it into a Drake L7 I tune to 500 watts output. However I noted the amp, if I put the Orion back into the tune position drops in power to 300 watts. The problem is not the amp its the Orion.
Testing the Orion in the tune position when you use the multi control to put the drive at 50 watts it does not stay there. Once I stop transmitting and push the tune button a second time the power has dropped by about 50% to about 25 watts. Moving the Multi control will increase the drive back to 50 watts but once I stop transmitting and then push the tune button again the power has dropped off. The problem is like a dirty switch but I was under the impression that normal switches of old variety are not used. Any suggestions?
Thanks 73 Tim WB8UHZ

11611. Re: [orion565] Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-14 17:03:52 UTC
From: N9ETD@...
Topic: 5401 Message: 11611

I agree with Bob's method of tuning for maximum output, then reducing the drive power. The L7 will do what you're asking all day long while standing on it's head.

73,
Craig N9ETD

11612. Re: [orion565] Drake L7 Tuning

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-14 22:30:22 UTC
From: Bob McGraw K4TAX
Topic: 5401 Message: 11612

In general we must first realize that the Drake L7 was designed at a time when the Amateur legal power limit was 1000 watts DC input. There is some mention in the manual of this being 2000 watts PEP input power rated but later accepted values do not equate to 2000 watts input for SSB conditions.

Under SSB conditions, the amp power supply will produce some 2400 VDC and the tubes are rated for a total plate current of 800 ma or 400 ma per tube. This equates to 1920 watts DC input. Considering normal Class B amplifier efficiency of ~60% this should give an output power of about 1200 watts, plus applied drive power of ~ 75 to ~100 watts for a net power output of ~1250 to ~1300 watts or so. This will vary from band to band as much as 15% and will also vary depending on line voltage.

Also I would note on amps such as the L7 and SB-200 and SB-220 and others of like design, I never use the TUNE position on the amp. Reason being, this reduces the HV. In using this value the plate Z, being E/I for Z, to the Pi input circuit is no longer at the correct design value. The result is perhaps a safer condition where the ham may chose to tune.... and tune..... and tune..... and tune..... on the amp, but it won't produce the ideal result when switching to the SSB or Operate mode giving a higher voltage. Once the tuning process is understood, hopefully you've made a tuning chart, the tuning process shouldn't take more than 10 to 15 seconds and certainly the tubes and power supply are more than adequately rated for this condition. Now if one is inclined to tune the amp for 30 seconds to a minute or more, key down carrier mode, as some seem to engage, then one needs to operate at the lower value and once that result is attained, then switch to the SSB or Operate mode and tune the amp for correct operation at that power level. Your antenna and antenna tuner should be adjusted prior to activating the amplifier. Never attempt to tune an amp into and unknown load or SWR. {end of my stump sermon on this}

On tuning a grounded grid Class B amplifier, such as the Drake L7, the absolute most important value to watch is GRID CURRENT. With a pair of 3-500's that maximum value is 250 to 260 ma. A 2nd point, and stated in the manual, is to dip the plate. Well in a Class C amplifier I could agree, but not in the case of a Class B amp. However with a grounded grid amp where much of the drive power, being in phase with the output, does appear in the output and adds to output power, one should actually adjust the PLATE or TUNE control for a peak in grid current. This indicates the point where maximum power is being transferred with respect to a given value of drive power. Now, adjust the combination of drive power and amplifier LOAD control to keep grid current within or at a safe range of 250 to 260 ma. Keep increasing drive until adjustment of the LOAD control is no longer able to keep grid current

below 250 ma with a given drive power. This is the maximum drive that should ever be applied to the amplifier. It will vary from band to band. At this point one should have maximum output power and the amp tuned for maximum linearity and best efficiency. If one doesn't have the amp tuned for maximum output and thus best efficiency, the result is excessive dissipation within the final tubes. For this reason, I always say never tune the amp for any power less than maximum with the idea of "saving your tubes". In fact, doing so may actually shorten tube life as dissipation is increased. So you say you don't want to operate at that power level. OK, just reduce the drive or power from the transceiver such that one obtains the desired output power. DO NOT change any TUNE, PLATE or LOAD control on the amplifier. After all it was tuned for maximum efficiency and best linearity in an earlier step.

If you wish to operate a carrier mode such as RTTY, AFSK, FM, AM or such, then one should have the power reduced from the transceiver to produce the correct power based on the duty cycle of the amp. Typically about 50% of rated maximum power. This would be about 500 to 600 watts for most amps employing a pair of 3-500's with about 2400 VDC on the plates. Now one must consider duty cycle. If the AM windbag wishes to talk for 5 minutes, the amp should be in receive for an equal amount of time. Remember, it is duty cycle thus time on must equal time off. If your amp runs a higher plate voltage such as found with Ameritron amps, AL-82 etc., being capable of legal limit 1500 watts PEP output with a pair of 3-500's, then the duty cycle at 50% should be brought back to about 500 watts or 375 watts for AM legal carrier power.

Of course in the case of AM operation, the PEP value of a modulated AM carrier is 4 times the carrier value. Thus for this amp rated at 1200 watts PEP output, the correct carrier level for AM should be 1/4 of that or 300 watts. If you feel uncomfortable at this power level, then reduce the power from the exciter/transceiver to your desirable level but do not adjust the amp tuning to control power output.

73

Bob, K4TAX

s

On 10/14/2016 12:03 PM, N9ETD@... [orion565] wrote:
>
> I agree with Bob's method of tuning for maximum output, then reducing
> the drive power. The L7 will do what you're asking all day long while
> standing on it's head.
> 73,
> Craig N9ETD
>

11613. Re: [orion565] Problem

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-15 00:04:49 UTC
From: amfone
Topic: 5401 Message: 11613

Do you mean the 125 watts? What do you think of running at 300 watts?

On Friday, October 14, 2016 5:04 PM, "N9ETD@... [orion565]" <orion565@yahoogroups.com> wrote:

I agree with Bob's method of tuning for maximum output, then reducing the drive power. The L7 will do what you're asking all day long while standing on it's head. 73,
Craig N9ETD

11614. Orion with the ACOM 1010 Amp

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-15 17:24:29 UTC
From: w333x2@...
Topic: 11614 Message: 11614

Looking to get a ACOM 1010 Amp to go with the Orion (565). Just seeing if anyone else has used the amp and if so where there any issues. If I understand I should be able to run the cable from the AMP Key 1 to the key in on the amp. Am I correct on that assumption?

Thanks in advance...

11615. Orion with ACOM 1010

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-15 17:22:46 UTC
From: Dan Wolters
Topic: 11615 Message: 11615

Looking to get a ACOM 1010 Amp to go with the Orion (565). Just seeing if anyone else has used the amp and if so where there any issues. If I understand I should be able to run the cable from the AMP Key 1 to the key in on the amp. Am I correct on that assumption?
Thanks in advance...

11616. Re: [orion565] Orion with ACOM 1010

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-15 19:13:23 UTC
From: Bob McGraw K4TAX
Topic: 11615 Message: 11616

Should work without issues.

Bob, K4TAX

Sent from my iPhone

> On Oct 15, 2016, at 12:22 PM, Dan Wolters w333x2@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Looking to get a ACOM 1010 Amp to go with the Orion (565). Just seeing if anyone else has used the amp and if so where there any issues. If I understand I should be able to run the cable from the AMP Key 1 to the key in on the amp. Am I correct on that assumption?
>
> Thanks in advance...
>

11617. Re: [orion565] Drake L7 Tuning

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-15 21:03:43 UTC
From: amfone
Topic: 5401 Message: 11617

OK thanks you guys. I have been tuning to 400 or 500 watts then reducing the exciter power to the desired carrier I want and then touching up output slightly for maximum output usually not more than a 5 watt change.
73 Tim

On Friday, October 14, 2016 10:30 PM, "Bob McGraw K4TAX RMcGraw@Blomand.net [orion565]" <orion565@yahoogroups.com> wrote:

In general we must first realize that the Drake L7 was designed at a time when the Amateur legal power limit was 1000 watts DC input. There is some mention in the manual of this being 2000 watts PEP input power rated but later accepted values do not equate to 2000 watts input for SSB conditions.
Under SSB conditions, the amp power supply will produce some 2400 VDC and the tubes are rated for a total plate current of 800 ma or 400 ma per tube. This equates to 1920 watts DC input. Considering normal Class B amplifier efficiency of ~60% this should give an output power of about 1200 watts, plus applied drive power of ~ 75 to ~100 watts for a net power output of ~1250 to ~1300 watts or so. This will vary from band to band as much as 15% and will also vary depending on line voltage.
Also I would note on amps such as the L7 and SB-200 and SB-220 and others of like design, I never use the TUNE position on the amp. Reason being, this reduces the HV. In using this value the plate Z, being E/I for Z, to the Pi input circuit is no longer at the correct design value. The result is perhaps a safer condition where the ham may chose to tune.... and tune..... and tune..... and tune..... on the amp, but it won't produce the ideal result when switching to the SSB or Operate mode giving a higher voltage. Once the tuning process is understood, hopefully you've made a tuning chart, the tuning process shouldn't take more than 10 to 15 seconds and certainly the tubes and power supply are more than adequately rated for this condition. Now if one is inclined to tune the amp for 30 seconds to a minute or more, key down carrier mode, as some seem to engage, then one needs to operate at the lower value and once that result is attained, then switch to the SSB or Operate mode and tune the amp for correct operation at that power level. Your antenna and antenna tuner should be adjusted prior to activating the amplifier. Never attempt to tune an amp into and unknown load or SWR. {end of my stump sermon on this}
On tuning a grounded grid Class B amplifier, such as the Drake L7, the absolute most important value to watch is GRID CURRENT. With a pair of 3-500's that maximum value is 250 to 260 ma. A 2nd point, and stated in the manual, is to dip the plate. Well in a Class C amplifier I could agree, but not in the case of a Class B amp. However with a grounded grid amp where much of the drive power, being in phase with the output, does appear in the output and adds to output power, one should actually adjust the PLATE or TUNE control for a peak in grid current. This indicates the point where maximum power is being transferred with respect to a given value of drive power. Now, adjust the combination of drive power and amplifier LOAD control to keep grid current within or at a safe range of 250 to 260 ma. Keep increasing drive until adjustment of the LOAD control is no longer able to keep grid current below 250 ma with a given drive power. This is the maximum drive that should ever be applied to the amplifier. It will vary from band to band. At this point one should have maximum output power and the amp tuned for maximum linearity and best

efficiency. If one doesn't have the amp tuned for maximum output and thus best efficiency, the result is excessive dissipation within the final tubes. For this reason, I always say never tune the amp for any power less than maximum with the idea of "saving your tubes". In fact, doing so may actually shorten tube life as dissipation is increased. So you say you don't want to operate at that power level. OK, just reduce the drive or power from the transceiver such that one obtains the desired output power. DO NOT change any TUNE, PLATE or LOAD control on the amplifier. After all it was tuned for maximum efficiency and best linearity in an earlier step.
If you wish to operate a carrier mode such as RTTY, AFSK, FM, AM or such, then one should have the power reduced from the transceiver to produce the correct power based on the duty cycle of the amp. Typically about 50% of rated maximum power. This would be about 500 to 600 watts for most amps employing a pair of 3-500's with about 2400 VDC on the plates.
Now one must consider duty cycle. If the AM windbag wishes to talk for 5 minutes, the amp should be in receive for an equal amount of time. Remember, it is duty cycle thus time on must equal time off. If your amp runs a higher plate voltage such as found with Ameritron amps, AL-82 etc., being capable of legal limit 1500 watts PEP output with a pair of 3-500's, then the duty cycle at 50% should be brought back to about 500 watts or 375 watts for AM legal carrier power.
Of course in the case of AM operation, the PEP value of a modulated AM carrier is 4 times the carrier value. Thus for this amp rated at 1200 watts PEP output, the correct carrier level for AM should be 1/4 of that or 300 watts. If you feel uncomfortable at this power level, then reduce the power from the exciter/transceiver to your desirable level but do not adjust the amp tuning to control power output.
73 Bob, K4TAX

s

On 10/14/2016 12:03 PM, N9ETD@... [orion565] wrote:

I agree with Bob's method of tuning for maximum output, then reducing the drive power. The L7 will do what you're asking all day long while standing on it's head. 73,
Craig N9ETD

11618. Re: [orion565] Orion with ACOM 1010

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-15 21:48:12 UTC
From: C Gessner
Topic: 11615 Message: 11618

GA Dan

73 de Chuck W3ON

On 10/15/2016 1:22 PM, Dan Wolters w333x2@... [orion565] wrote:
> Looking to get a ACOM 1010 Amp to go with the Orion (565). Just seeing
> if anyone else has used the amp and if so where there any issues. If I
> understand I should be able to run the cable from the AMP Key 1 to the
> key in on the amp. Am I correct on that assumption?
>
> Thanks in advance...
>

11619. Re: [orion565] Drake L7 Tuning

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-15 21:58:48 UTC
From: Bob McGraw K4TAX
Topic: 5401 Message: 11619

Keep in mind in AM mode the peak modulation power is 4 times the carrier power at 100% modulation. If you tune for 500 watts carrier output then reduce drive to attain 125 watts and then "touch up" the tuning, you have just mis-tuned the amplifier for the peak modulation power value. One can't have correct tuning at 500 watts and also correct tuning for 125 watts carrier power. The fact you see a increase in carrier power, regardless of the minuscule amount, at 125 watts confirms this point. Look at it on a station monitor and you will see the modulation non-linearity occur. Typically this causes splatter as the amp is no longer operating in a linear power range. One should be concerned only with peak modulation power and not un-modulated carrier power.

An even better approach is to tune the amp with carrier to 1200 watts output and then reduce drive to attain 300 watts or less. But even then, do not "touch up" tuning regardless of your AM mode operating power choice. Again, you can touch up tuning at the lower power level and observe a slight increase in carrier power, but the amp will no longer be linear at the peak modulation power level.

All of this is a very common error and a very misunderstood issue with many hams running AM mode utilizing a linear amplifier. While you may get "great sounding signal" report from your buddies on frequency, the folks up and down band +/- 5 kHz or so will not at all be having kind things to say about your AM signal.

Sorry, but I don't agree with your "touch up" tuning as the power level will no longer be correct for peak modulation power.

73

Bob, K4TAX

On 10/15/2016 4:03 PM, amfone amfone20000@... [orion565] wrote:
> OK thanks you guys. I have been tuning to 400 or 500 watts then
> reducing the exciter power to the desired carrier I want and then
> touching up output slightly for maximum output usually not more than a
> 5 watt change.
>
> 73 Tim
>
>
> On Friday, October 14, 2016 10:30 PM, "Bob McGraw K4TAX
> RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:
>
>

> In general we must first realize that the Drake L7 was designed at a
> time when the Amateur legal power limit was 1000 watts DC input.
> There is some mention in the manual of this being 2000 watts PEP input
> power rated but later accepted values do not equate to 2000 watts
> input for SSB conditions.
> Under SSB conditions, the amp power supply will produce some 2400 VDC
> and the tubes are rated for a total plate current of 800 ma or 400 ma
> per tube. This equates to 1920 watts DC input. Considering normal
> Class B amplifier efficiency of ~60% this should give an output power
> of about 1200 watts, plus applied drive power of ~ 75 to ~100 watts
> for a net power output of ~1250 to ~1300 watts or so. This will vary
> from band to band as much as 15% and will also vary depending on line
> voltage.
> Also I would note on amps such as the L7 and SB-200 and SB-220 and
> others of like design, I never use the TUNE position on the amp.
> Reason being, this reduces the HV. In using this value the plate Z,
> being E/I for Z, to the Pi input circuit is no longer at the correct
> design value. The result is perhaps a safer condition where the ham
> may chose to tune.... and tune..... and tune..... and tune..... on the
> amp, but it won't produce the ideal result when switching to the SSB
> or Operate mode giving a higher voltage. Once the tuning process is
> understood, hopefully you've made a tuning chart, the tuning process
> shouldn't take more than 10 to 15 seconds and certainly the tubes and
> power supply are more than adequately rated for this condition. Now
> if one is inclined to tune the amp for 30 seconds to a minute or more,
> key down carrier mode, as some seem to engage, then one needs to
> operate at the lower value and once that result is attained, then
> switch to the SSB or Operate mode and tune the amp for correct
> operation at that power level. Your antenna and antenna tuner should
> be adjusted prior to activating the amplifier. Never attempt to tune
> an amp into and unknown load or SWR. {end of my stump sermon on this}
> On tuning a grounded grid Class B amplifier, such as the Drake L7,
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> 50% should be brought back to about 500 watts or 375 watts for AM
> legal carrier power.
> Of course in the case of AM operation, the PEP value of a modulated AM
> carrier is 4 times the carrier value. Thus for this amp rated at 1200
> watts PEP output, the correct carrier level for AM should be 1/4 of
> that or 300 watts. If you feel uncomfortable at this power level,
> then reduce the power from the exciter/transceiver to your desirable
> level but do not adjust the amp tuning to control power output.
> 73
> Bob, K4TAX
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> On 10/14/2016 12:03 PM, N9ETD@... <mailto:N9ETD@...>
> [orion565] wrote:
>> I agree with Bob's method of tuning for maximum output, then reducing
>> the drive power. The L7 will do what you're asking all day long while
>> standing on it's head.
>> 73,
>> Craig N9ETD
>
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11620. Re: [orion565] Drake L7 Tuning

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-15 23:39:24 UTC
From: amfone
Topic: 5401 Message: 11620

OK Thanks Bob
Good advice and I appreciate it and what you note makes sense, I will follow your advice and tune up to resonance at about 400 to 450 watts and decrease the exciter power and not readjust the amp.
Thanks for you your help, I've been in Ham radio since 1975 and you can still learn something everyday.
73 TimWB8UHZ

On Saturday, October 15, 2016 9:59 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

Keep in mind in AM mode the peak modulation power is 4 times the carrier power at 100% modulation. If you tune for 500 watts carrier output then reduce drive to attain 125 watts and then "touch up" the tuning, you have just mis-tuned the amplifier for the peak modulation power value. One can't have correct tuning at 500 watts and also correct tuning for 125 watts carrier power. The fact you see a increase in carrier power, regardless of the minuscule amount, at 125 watts confirms this point. Look at it on a station monitor and you will see the modulation non-linearity occur. Typically this causes splatter as the amp is no longer operating in a linear power range. One should be concerned only with peak modulation power and not un-modulated carrier power.
An even better approach is to tune the amp with carrier to 1200 watts output and then reduce drive to attain 300 watts or less. But even then, do not "touch up" tuning regardless of your AM mode operating power choice. Again, you can touch up tuning at the lower power level and observe a slight increase in carrier power, but the amp will no longer be linear at the peak modulation power level.
All of this is a very common error and a very misunderstood issue with many hams running AM mode utilizing a linear amplifier. While you may get "great sounding signal" report from your buddies on frequency, the folks up and down band +/- 5 kHz or so will not at all be having kind things to say about your AM signal.
Sorry, but I don't agree with your "touch up" tuning as the power level will no longer be correct for peak modulation power. 73 Bob, K4TAX

On 10/15/2016 4:03 PM, amfone amfone20000@... [orion565] wrote:

OK thanks you guys. I have been tuning to 400 or 500 watts then reducing the exciter power to the desired carrier I want and then touching up output slightly for maximum output usually not more than a 5 watt change.
73 Tim

On Friday, October 14, 2016 10:30 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

In general we must first realize that the Drake L7 was designed at a time when the Amateur legal power limit was 1000 watts DC input. There is some mention in the manual of this being 2000 watts PEP input power rated but later accepted values do not equate to 2000 watts input for SSB conditions.

Under SSB conditions, the amp power supply will produce some 2400 VDC and the tubes are rated for a total plate current of 800 ma or 400 ma per tube. This equates to 1920 watts DC input. Considering normal Class B amplifier efficiency of ~60% this should give an output power of about 1200 watts, plus applied drive power of ~ 75 to ~100 watts for a net power output of ~1250 to ~1300 watts or so. This will vary from band to band as much as 15% and will also vary depending on line voltage.

Also I would note on amps such as the L7 and SB-200 and SB-220 and others of like design, I never use the TUNE position on the amp. Reason being, this reduces the HV. In using this value the plate Z, being E/I for Z, to the Pi input circuit is no longer at the correct design value. The result is perhaps a safer condition where the ham may chose to tune.... and tune..... and tune..... and tune..... on the amp, but it won't produce the ideal result when switching to the SSB or Operate mode giving a higher voltage. Once the tuning process is understood, hopefully you've made a tuning chart, the tuning process shouldn't take more than 10 to 15 seconds and certainly the tubes and power supply are more than adequately rated for this condition. Now if one is inclined to tune the amp for 30 seconds to a minute or more, key down carrier mode, as some seem to engage, then one needs to operate at the lower value and once that result is attained, then switch to the SSB or Operate mode and tune the amp for correct operation at that power level. Your antenna and antenna tuner should be adjusted prior to activating the amplifier. Never attempt to tune an amp into and unknown load or SWR. {end of my stump sermon on this}

On tuning a grounded grid Class B amplifier, such as the Drake L7, the absolute most important value to watch is GRID CURRENT. With a pair of 3-500's that maximum value is 250 to 260 ma. A 2nd point, and stated in the manual, is to dip the plate. Well in a Class C amplifier I could agree, but not in the case of a Class B amp. However with a grounded grid amp where much of the drive power, being in phase with the output, does appear in the output and adds to output power, one should actually adjust the PLATE or TUNE control for a peak in grid current. This indicates the point where maximum power is being transferred with respect to a given value of drive power. Now, adjust the combination of drive power and amplifier LOAD control to keep grid current within or at a safe range of 250 to 260 ma. Keep increasing drive until adjustment of the LOAD control is no longer able to keep grid current below 250 ma with a given drive power. This is the maximum drive that should ever be applied to the amplifier. It will vary from band to band. At this point one should have maximum output power and the amp tuned for maximum linearity and best efficiency. If one doesn't have the amp tuned for maximum output and thus best efficiency, the result is excessive dissipation within the final tubes. For this reason, I always say never tune the amp for any power less than maximum with the idea of "saving your tubes". In fact, doing so may actually shorten tube life as dissipation is increased. So you say you don't want to operate at that power level. OK, just reduce the drive or power from the transceiver such that one obtains the desired output power. DO NOT change any TUNE, PLATE or LOAD control on the amplifier. After all it was tuned for maximum efficiency and best linearity in an earlier step.

If you wish to operate a carrier mode such as RTTY, AFSK, FM, AM or such, then one should have the power reduced from the transceiver to produce the correct power based on the duty cycle of the amp. Typically about 50% of rated maximum power. This would be about 500 to 600 watts for most amps employing a pair of 3-500's with about 2400 VDC on the plates. Now one must consider duty cycle. If the AM windbag wishes to talk for 5 minutes, the amp should be in receive for an equal amount of time. Remember, it is duty cycle thus time on must equal time off. If your amp runs a higher plate voltage such as found with Ameritron amps, AL-82 etc., being capable of legal limit 1500 watts PEP output with a pair of 3-500's, then the duty cycle at 50% should be brought back to about 500 watts or 375

watts for AM legal carrier power.
Of course in the case of AM operation, the PEP value of a modulated AM carrier is 4 times the carrier value. Thus for this amp rated at 1200 watts PEP output, the correct carrier level for AM should be 1/4 of that or 300 watts. If you feel uncomfortable at this power level, then reduce the power from the exciter/transceiver to your desirable level but do not adjust the amp tuning to control power output.
73 Bob, K4TAX

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On 10/14/2016 12:03 PM, N9ETD@... [orion565] wrote:

  I agree with Bob's method of tuning for maximum output, then reducing the drive power. The L7 will do what you're asking all day long while standing on it's head.   73,
Craig N9ETD

11621. Re: [orion565] Drake L7 Tuning

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-16 00:52:56 UTC
From: Bob McGraw K4TAX
Topic: 5401 Message: 11621

Tim - I hate to belittle the point but would like to emphasize a finer point of amp operation.

In adjusting PLATE tuning you will observe the grid current reaches a peak. It is this point in PLATE tuning where maximum thru-put of power from the exciter flows. This actually minimizes grid dissipation. This can also be observed if one watches the SWR reflected power value as measured between the exciter and the amplifier input. Thus one will see that PLATE tuning does affect to a noticeable amount the SWR reflected value between the amp input and the exciter output. For this reason and others, it is ill advised to us a "tuner" or ATU active between the transceiver output and the amp input. Otherwise, always deactivate the ATU within the transceiver when driving a grounded grid amp.

Now you use the word resonance. I typically associate that with a Class C amplifier where one is noted to adjust plate tuning for a dip in plate current. In other terms I've heard it described as "dip the plate". Again this is a practice which I do not suggest one employ. Just adjust the PLATE tuning for a peak in grid current or if one insists, for maximum power output, although this actual value will somewhat change as drive power in increased and as plate current increases. Again, the impedance match between the tube anode and the input to the Pi or Pi -L output network does change with a given value of plate current. In a Class B amplifier adjusting the plate tuning for a peak in grid current will also coincide with maximum power output and in fact does not typically occur at the exact point where the plate current is at a minimum or "dipped". Exceptions would be when the amplifier is not properly neutralized. In that case, all bets are off and one is largely dealing with a "science project" with unknown or unpredictable results.

There is a term commonly referred to as "the right side of resonance". It is this point where the amp attains a few more percent output, grid current is peaked at a maximum and the plate circuit is actually a wee bit out of resonance by definition of plate current dip. The result is efficiency increases and tube dissipation decreases as one gets a few more watts out of the amp.

Have fun with the Drake L7 on AM. The Orion is capable of producing a very good quality AM signal in terms of modulation, frequency response and minimum carrier shift.

73

Bob, K4TAX

On 10/15/2016 6:39 PM, amfone amfone20000@... [orion565] wrote:
> OK Thanks Bob
>
> Good advice and I appreciate it and what you note makes sense, I will
> follow your advice and tune up to resonance at about 400 to 450 watts
> and decrease the exciter power and not readjust the amp.
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> Thanks for you your help, I've been in Ham radio since 1975 and you
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> On Saturday, October 15, 2016 9:59 PM, "Bob McGraw K4TAX
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>>> Craig N9ETD
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11622. Re: [orion565] Drake L7 Tuning

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-16 08:18:51 UTC
From: amfone
Topic: 5401 Message: 11622

Thanks again Bob I appreciate very much your knowledge and comments, I've been in ham radio 41 years, started as WN8UHZ and upgraded to Advanced two years later and I remain right there.
I actually do just as you noted. After tuning the L7 for the dip or resonance I switch to the 3000 watt meter in the L7 and then tune for final maximum out put. The manual note that " a more accurate indication of proper tuning is with the watt-meter" and I have always done it that way. The change is slight but you know you are turned up properly when you do it that way.
Thanks again Bob very much.
73 TimWB8UHZ

On Sunday, October 16, 2016 12:53 AM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

  Tim - I hate to belittle the point but would like to emphasize a finer point of amp operation.
In adjusting PLATE tuning you will observe the grid current reaches a peak. It is this point in PLATE tuning where maximum thru-put of power from the exciter flows. This actually minimizes grid dissipation. This can also be observed if one watches the SWR reflected power value as measured between the exciter and the amplifier input. Thus one will see that PLATE tuning does affect to a noticeable amount the SWR reflected value between the amp input and the exciter output. For this reason and others, it is ill advised to us a "tuner" or ATU active between the transceiver output and the amp input. Otherwise, always deactivate the ATU within the transceiver when driving a grounded grid amp.
Now you use the word resonance. I typically associate that with a Class C amplifier where one is noted to adjust plate tuning for a dip in plate current. In other terms I've heard it described as "dip the plate". Again this is a practice which I do not suggest one employ. Just adjust the PLATE tuning for a peak in grid current or if one insists, for maximum power output, although this actual value will somewhat change as drive power in increased and as plate current increases. Again, the impedance match between the tube anode and the input to the Pi or Pi -L output network does change with a given value of plate current. In a Class B amplifier adjusting the plate tuning for a peak in grid current will also coincide with maximum power output and in fact does not typically occur at the exact point where the plate current is at a minimum or "dipped". Exceptions would be when the amplifier is not properly neutralized. In that case, all bets are off and one is largely dealing with a "science project" with unknown or unpredictable results.
There is a term commonly referred to as "the right side of resonance". It is this point where the amp attains a few more percent output, grid current is peaked at a maximum and the plate circuit is actually a wee bit out of resonance by definition of plate current dip. The result is efficiency increases and tube dissipation decreases as one gets a few more watts out of the amp.
Have fun with the Drake L7 on AM. The Orion is capable of producing a very good quality AM signal in terms of modulation, frequency response and minimum carrier shift.
73 Bob, K4TAX

On 10/15/2016 6:39 PM, amfone amfone20000@... [orion565] wrote:

OK Thanks Bob
Good advice and I appreciate it and what you note makes sense, I will follow your advice and tune up to resonance at about 400 to 450 watts and decrease the exciter power and not readjust the amp.
Thanks for you your help, I've been in Ham radio since 1975 and you can still learn something everyday.
73 Tim WB8UHZ

On Saturday, October 15, 2016 9:59 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

Keep in mind in AM mode the peak modulation power is 4 times the carrier power at 100% modulation. If you tune for 500 watts carrier output then reduce drive to attain 125 watts and then "touch up" the tuning, you have just mis-tuned the amplifier for the peak modulation power value. One can't have correct tuning at 500 watts and also correct tuning for 125 watts carrier power. The fact you see a increase in carrier power, regardless of the minuscule amount, at 125 watts confirms this point. Look at it on a station monitor and you will see the modulation non-linearity occur. Typically this causes splatter as the amp is no longer operating in a linear power range. One should be concerned only with peak modulation power and not un-modulated carrier power.
An even better approach is to tune the amp with carrier to 1200 watts output and then reduce drive to attain 300 watts or less. But even then, do not "touch up" tuning regardless of your AM mode operating power choice. Again, you can touch up tuning at the lower power level and observe a slight increase in carrier power, but the amp will no longer be linear at the peak modulation power level.
All of this is a very common error and a very misunderstood issue with many hams running AM mode utilizing a linear amplifier. While you may get "great sounding signal" report from your buddies on frequency, the folks up and down band +/- 5 kHz or so will not at all be having kind things to say about your AM signal.
Sorry, but I don't agree with your "touch up" tuning as the power level will no longer be correct for peak modulation power. 73 Bob, K4TAX

On 10/15/2016 4:03 PM, amfone amfone20000@... [orion565] wrote:

OK thanks you guys. I have been tuning to 400 or 500 watts then reducing the exciter power to the desired carrier I want and then touching up output slightly for maximum output usually not more than a 5 watt change.
73 Tim

On Friday, October 14, 2016 10:30 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

In general we must first realize that the Drake L7 was designed at a time when the Amateur legal power limit was 1000 watts DC input. There is some mention in the manual of this being 2000 watts PEP input power rated but later accepted values do not equate to 2000 watts input for SSB conditions.
Under SSB conditions, the amp power supply will produce some 2400 VDC and the tubes are rated for a total plate current of 800 ma or 400 ma per tube. This equates to 1920 watts DC input. Considering normal Class B amplifier efficiency of ~60% this should give an output power of about 1200 watts, plus applied drive power of ~ 75 to ~100 watts for a net power output of ~1250 to ~1300 watts or so. This will vary from band to band as much as

15% and will also vary depending on line voltage.
Also I would note on amps such as the L7 and SB-200 and SB-220 and others of like design, I never use the TUNE position on the amp. Reason being, this reduces the HV. In using this value the plate Z, being E/I for Z, to the Pi input circuit is no longer at the correct design value. The result is perhaps a safer condition where the ham may chose to tune.... and tune..... and tune..... and tune..... on the amp, but it won't produce the ideal result when switching to the SSB or Operate mode giving a higher voltage. Once the tuning process is understood, hopefully you've made a tuning chart, the tuning process shouldn't take more than 10 to 15 seconds and certainly the tubes and power supply are more than adequately rated for this condition. Now if one is inclined to tune the amp for 30 seconds to a minute or more, key down carrier mode, as some seem to engage, then one needs to operate at the lower value and once that result is attained, then switch to the SSB or Operate mode and tune the amp for correct operation at that power level. Your antenna and antenna tuner should be adjusted prior to activating the amplifier. Never attempt to tune an amp into and unknown load or SWR. {end of my stump sermon on this}
On tuning a grounded grid Class B amplifier, such as the Drake L7, the absolute most important value to watch is GRID CURRENT. With a pair of 3-500's that maximum value is 250 to 260 ma. A 2nd point, and stated in the manual, is to dip the plate. Well in a Class C amplifier I could agree, but not in the case of a Class B amp. However with a grounded grid amp where much of the drive power, being in phase with the output, does appear in the output and adds to output power, one should actually adjust the PLATE or TUNE control for a peak in grid current. This indicates the point where maximum power is being transferred with respect to a given value of drive power. Now, adjust the combination of drive power and amplifier LOAD control to keep grid current within or at a safe range of 250 to 260 ma. Keep increasing drive until adjustment of the LOAD control is no longer able to keep grid current below 250 ma with a given drive power. This is the maximum drive that should ever be applied to the amplifier. It will vary from band to band. At this point one should have maximum output power and the amp tuned for maximum linearity and best efficiency. If one doesn't have the amp tuned for maximum output and thus best efficiency, the result is excessive dissipation within the final tubes. For this reason, I always say never tune the amp for any power less than maximum with the idea of "saving your tubes". In fact, doing so may actually shorten tube life as dissipation is increased. So you say you don't want to operate at that power level. OK, just reduce the drive or power from the transceiver such that one obtains the desired output power. DO NOT change any TUNE, PLATE or LOAD control on the amplifier. After all it was tuned for maximum efficiency and best linearity in an earlier step.
If you wish to operate a carrier mode such as RTTY, AFSK, FM, AM or such, then one should have the power reduced from the transceiver to produce the correct power based on the duty cycle of the amp. Typically about 50% of rated maximum power. This would be about 500 to 600 watts for most amps employing a pair of 3-500's with about 2400 VDC on the plates. Now one must consider duty cycle. If the AM windbag wishes to talk for 5 minutes, the amp should be in receive for an equal amount of time. Remember, it is duty cycle thus time on must equal time off. If your amp runs a higher plate voltage such as found with Ameritron amps, AL-82 etc., being capable of legal limit 1500 watts PEP output with a pair of 3-500's, then the duty cycle at 50% should be brought back to about 500 watts or 375 watts for AM legal carrier power.
Of course in the case of AM operation, the PEP value of a modulated AM carrier is 4 times the carrier value. Thus for this amp rated at 1200 watts PEP output, the correct carrier level for AM should be 1/4 of that or 300 watts. If you feel uncomfortable at this power level, then reduce the power from theexciter/transceiver to your desirable level but do not adjust the amp tuning to control power output.

73 Bob, K4TAX

s

On 10/14/2016 12:03 PM, N9ETD@... [orion565] wrote:

I agree with Bob's method of tuning for maximum output, then reducing the drive power. The L7 will do what you're asking all day long while standing on it's head. 73,
Craig N9ETD

11624. Re: Orion with ACOM 1010

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-21 15:47:37 UTC
From: wb0cff@...
Topic: 11615 Message: 11624

AK7O runs an ACOM 1000 with his Orion. He has had good results.

His email is good on QRZ

73
Carl WB0CFF

11625. Re: [orion565] Orion 566 Flash Update fails

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-21 22:13:46 UTC
From: Wayne Staples
Topic: 11625 Message: 11625

Hi Andreas

I might be stating the obvious did you do a Ram Clear, the procedure is: 1) Ram Clear. 2) Cycle radio off and on. 3) Master reset. 4) Cycle radio off and on twice, that procedure works every time for me.

73 Wayne VK4EU

On 22/10/16 00:48, dl3fdl@... [orion565] wrote:
>
>
> Hello Group,
>
> my flashupdate fro, 5.033xd into 5.033xe fails.
>
> All the Lines (11175) beeing processed but after the Master Reset at
> the end
>
> when powering up still 5.033xd is shown on the display.
>
> Does anyone has an idea whats going wrong ?
>
>
> regards, Andreas DL3FDL
>
>
>
>

11626. Orion 565 TX output issue (burnt smell)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-23 12:50:37 UTC
From: dm4dx@...
Topic: 11626 Message: 11626

Hi all,

just run into an issue today with my Orion I. During transmitting I realized some smoke and a burnt smell coming from the right rear top end of the radio. Transmit power immediately fell from 100Watt to around 1Watt.
No chance to get it back again, tried both antenna connectors.

The burnt smell/smoke seems to come either from the A0 I/O board or the A3 RFCNV board. Couldn't find the faulty part yet (by looking). Did anyone have similar issues? Any help on this would be highly appreciated.

Thanks!

Christian, EI6HZB/DM4DX

11627. Re: Orion 565 TX output issue (burnt smell)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-23 13:19:57 UTC
From: dm4dx@...
Topic: 11626 Message: 11627

Btw. I can hear myself on a second radio and audio etc. seems to be ok. The firmware use is 3.032x7b and I did the master reset, but this is obviously more a hardware problem. Considering the smell ;o) Thanks!

11628. Re: [orion565] Orion 565 TX output issue (burnt smell)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-24 18:10:22 UTC
From: Wayne Staples
Topic: 11626 Message: 11628

Hi Christian

Have a look at the power socket and the fuse holder if the power socket or the fuse holder go high in resistance they will get very hot and I mean hot enough to burn and melt. I have had this happen to my 01. This is a common problem, the 13.8 dc connection socket and fuse holder is inadequate. Hard wiring the power cord to the board has also been a remedy but keep the fuse in place. You should be able to get a fuse holder from any electronics parts store. If you are unable carry out the fix yourself anyone handy with a soldering iron should be able to cope with it.

73 Wayne VK4EU

On 23/10/16 22:50, dm4dx@... [orion565] wrote:
>
>
> Hi all,
>
> just run into an issue today with my Orion I. During transmitting I
> realized some smoke and a burnt smell coming from the right rear top
> end of the radio. Transmit power immediately fell from 100Watt to
> around 1Watt.
> No chance to get it back again, tried both antenna connectors.
>
> The burnt smell/smoke seems to come either from the A0 I/O board or
> the A3 RFCNV board. Couldn't find the faulty part yet (by looking).
> Did anyone have similar issues? Any help on this would be highly
> appreciated.
>
> Thanks!
>
> Christian, EI6HZB/DM4DX
>
>
>
>
>

11629. Re: [orion565] Orion 566 Flash Update fails

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-25 07:57:07 UTC
From: Barry Simpson
Topic: 11625 Message: 11629

Hi Andreas

Did you manage to complete your update successfully ?

Barry VK2BJ

On 22 October 2016 at 01:48, dl3fdl@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hello Group,
>
> my flashupdate fro, 5.033xd into 5.033xe fails.
>
> All the Lines (11175) beeing processed but after the Master Reset at the
> end
>
> when powering up still 5.033xd is shown on the display.
>
> Does anyone has an idea whats going wrong ?
>
>
> regards, Andreas DL3FDL
>
>
>

11630. Re: [orion565] Orion 565 TX output issue (burnt smell)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-25 12:38:48 UTC
From: Bob McGraw K4TAX
Topic: 11626 Message: 11630

For those interested, there is a 30A rated PowerPole set of connectors which are designed for PC mounting. I suggest changing to this style of connector. The original Molex style connector will loose spring tension if one frequently plugs in and and unplugs and has the radio moved frequently which wiggles the power connector. Although needle nose pliers will tighten the connector, the spring tension is likely beyond useful strength.

As to fuses, be sure to make sure the fuse holder in the radio is tight and clean. Same for the fuse.

73

Bob, K4TAX

On 10/24/2016 1:10 PM, Wayne Staples vk4eu@... [orion565] wrote:
>
> Hi Christian
>
> Have a look at the power socket and the fuse holder if the power
> socket or the fuse holder go high in resistance they will get very hot
> and I mean hot enough to burn and melt. I have had this happen to my
> 01. This is a common problem, the 13.8 dc connection socket and fuse
> holder is inadequate. Hard wiring the power cord to the board has also
> been a remedy but keep the fuse in place. You should be able to get a
> fuse holder from any electronics parts store. If you are unable carry
> out the fix yourself anyone handy with a soldering iron should be able
> to cope with it.
>
> 73 Wayne VK4EU
>
>
> On 23/10/16 22:50, dm4dx@... [orion565] wrote:
>> Hi all,
>>
>> just run into an issue today with my Orion I. During transmitting I
>> realized some smoke and a burnt smell coming from the right rear top
>> end of the radio. Transmit power immediately fell from 100Watt to
>> around 1Watt.
>> No chance to get it back again, tried both antenna connectors.
>>
>> The burnt smell/smoke seems to come either from the A0 I/O board or
>> the A3 RFCNV board. Couldn't find the faulty part yet (by looking).
>> Did anyone have similar issues? Any help on this would be highly
>> appreciated.
>>

>> Thanks!
>>
>> Christian, EI6HZB/DM4DX
>>
>>
>
>

11631. Re: Orion 565 TX output issue (burnt smell)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-26 14:57:02 UTC
From: dm4dx@...
Topic: 11626 Message: 11631

Hello Wayne,

thanks for the suggestion. I physically checked the socket and fuse holder as well as I measured the resistance. Both is absolutely fine, so I can exclude this. I had a more detailed look at the I/O board as well but couldn´t detect any burnt parts. Am not sure how to go ahead with this :o(

73´ Christian

11632. Re: [orion565] Re: Orion 565 TX output issue (burnt smell)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-26 15:12:52 UTC
From: Bob McGraw K4TAX
Topic: 11626 Message: 11632

My suggestion is to send and e-mail to SERVICE@... explain the occurrence and ask for their suggestions. Likely they will want the radio sent to them for repair. This of course may be a bit costly, depending to transportation costs plus service costs. Otherwise, down load the manual and prepare to troubleshoot to component level yourself. {I'm not sure if there is a schematic set available or not.} It looks like from my files there are some 14 zipped folders of schematics.

73

Bob, K4TAX

On 10/26/2016 9:57 AM, dm4dx@... [orion565] wrote:
>
> Hello Wayne,
>
> thanks for the suggestion. I physically checked the socket and fuse
> holder as well as I measured the resistance. Both is absolutely fine,
> so I can exclude this. I had a more detailed look at the I/O board as
> well but couldn´t detect any burnt parts. Am not sure how to go ahead
> with this :o(
>
> 73´ Christian
>
>

11633. Re: Orion 565 TX output issue (burnt smell)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 11:31:53 UTC
From: dm4dx@...
Topic: 11626 Message: 11633

Thanks Bob. Did send an email yesterday to Ten Tec. Let´s see if they come back. Any input still appreciated.

73´ Chris, EI6HZB

11634. Re: [orion565] Re: Orion 565 TX output issue (burnt smell)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 13:09:01 UTC
From: Bob McGraw K4TAX
Topic: 11626 Message: 11634

Chris:

Usually Robert Marine monitors the e-mail system only 2 or 3 days per week. Depending on the questions, he may need to do some research and that takes time. He is not handling the e-mails on a full time basis as he has other responsibilities within the organization.

I'm sure, in time, you'll receive a response.

73

Bob, K4TAX

On 10/27/2016 6:31 AM, dm4dx@... [orion565] wrote:
>
> Thanks Bob. Did send an email yesterday to Ten Tec. Let´s see if they
> come back. Any input still appreciated.
>
> 73´ Chris, EI6HZB
>
>

11635. Rubber rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 15:17:05 UTC
From: KC3DBG
Topic: 11635 Message: 11635

Hey everyone. I emailed TenTec 3 separate times over a month asking the following and never received a reply.

Do the colored, rubber VFO rings that TenTec sells for the Omni VII also fit our 565's? If not, do you have a source for the nicer rings?

Thanks so much everyone, and good luck this weekend if you get on! Have fun!

As a side note Concerning my no TX out issue, I ended up giving the rig back to my that friend I bought it from, as I never found the source of trouble for the no TX power. His good friend at Down East Microwave will be looking at it, and I'll share the results here. Alternating between the XVTR on/off did cause sporadic power out, but nothing that lasted. I did get another 565, and I tried swapping the board with the XVTR relay on it with the board and it didn't make a difference. I didn't want to swap other boards not knowing the issue.

John D.
K3DBG

Vice president of the Murgas Amateur Radio Club

sent from rooted Samsung S4

11636. Re: [orion565] Rubber rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 15:30:51 UTC
From: Barry N1EU
Topic: 11635 Message: 11636

I'm 99% sure that they do.

73, Barry N1EU

On Thu, Oct 27, 2016 at 11:17 AM, KC3DBG kc3dbg@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hey everyone. I emailed TenTec 3 separate times over a month asking the
> following and never received a reply.
>
> Do the colored, rubber VFO rings that TenTec sells for the Omni VII also
> fit our 565's? If not, do you have a source for the nicer rings?
>
> Thanks so much everyone, and good luck this weekend if you get on! Have
> fun!
>
> As a side note Concerning my no TX out issue, I ended up giving the rig
> back to my that friend I bought it from, as I never found the source of
> trouble for the no TX power. His good friend at Down East Microwave will be
> looking at it, and I'll share the results here. Alternating between the
> XVTR on/off did cause sporadic power out, but nothing that lasted. I did
> get another 565, and I tried swapping the board with the XVTR relay on it
> with the board and it didn't make a difference. I didn't want to swap other
> boards not knowing the issue.
>
> John D.
> K3DBG
>
> Vice president of the Murgas Amateur Radio Club
>
> sent from rooted Samsung S4
>
>

11637. Re: [orion565] Rubber rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 16:16:23 UTC
From: Bob McGraw K4TAX
Topic: 11635 Message: 11637

What address did you use for Tentec? The ONLY address to use is: SERVICE@TENTEC.COM.

Bob, K4TAX

Sent from my iPhone

> On Oct 27, 2016, at 10:17 AM, KC3DBG kc3dbg@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Hey everyone. I emailed TenTec 3 separate times over a month asking the following and never received a reply.
>
> Do the colored, rubber VFO rings that TenTec sells for the Omni VII also fit our 565's? If not, do you have a source for the nicer rings?
>
> Thanks so much everyone, and good luck this weekend if you get on! Have fun!
>
> As a side note Concerning my no TX out issue, I ended up giving the rig back to my that friend I bought it from, as I never found the source of trouble for the no TX power. His good friend at Down East Microwave will be looking at it, and I'll share the results here. Alternating between the XVTR on/off did cause sporadic power out, but nothing that lasted. I did get another 565, and I tried swapping the board with the XVTR relay on it with the board and it didn't make a difference. I didn't want to swap other boards not knowing the issue.
>
> John D.
> K3DBG
>
> Vice president of the Murgas Amateur Radio Club
>
> sent from rooted Samsung S4
>
>

11638. Re: [orion565] Orion 565 TX output issue (burnt smell)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 16:57:51 UTC
From: David Moorman
Topic: 11626 Message: 11638

Schematics are available at the rkr site.

http://www.rkrdesignsllc.com/support/product-documentation/product-documentation/ten-tec-565-orion/ <http://www.rkrdesignsllc.com/support/product-documentation/product-documentation/ten-tec-565-orion/>

Click on “565 Schematics” and they will download.

Dave

> On Oct 26, 2016, at 10:12 AM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> My suggestion is to send and e-mail to SERVICE@... <mailto:SERVICE@TENTEC.COM> explain the occurrence and ask for their suggestions. Likely they will want the radio sent to them for repair. This of course may be a bit costly, depending to transportation costs plus service costs. Otherwise, down load the manual and prepare to troubleshoot to component level yourself. {I'm not sure if there is a schematic set available or not.} It looks like from my files there are some 14 zipped folders of schematics.
>
> 73
>
> Bob, K4TAX
>
>
>
>
> On 10/26/2016 9:57 AM, dm4dx@... <mailto:dm4dx@...> [orion565] wrote:
>>
>> Hello Wayne,
>>
>> thanks for the suggestion. I physically checked the socket and fuse holder as well as I measured the resistance. Both is absolutely fine, so I can exclude this. I had a more detailed look at the I/O board as well but couldn´t detect any burnt parts. Am not sure how to go ahead with this :o(
>>
>> 73´ Christian
>>
>
>
>

11639. Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 18:16:58 UTC
From: w4ag@...
Topic: 11639 Message: 11639

Lately my Orion II has been losing settings when turned off. I tried a master reset and when I got to the master reset complete screen there was a banner on top saying "Battery Failure." I replaced the battery three years ago, so it seems strange that it would already be bad. I know Ten-Tec service is repairing rigs, but are they also fulfilling parts orders, or should I order a new battery from Mouser?

Thanks,
Stan, W4AG

11640. Re: [orion565] Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 18:42:11 UTC
From: Bob McGraw K4TAX
Topic: 11639 Message: 11640

Why not just go to your local WalMart {or what ever} store and buy a new battery? Take the old one out, check the model number and buy a like new battery there.

73

Bob, K4TAX

On 10/27/2016 1:16 PM, w4ag@... [orion565] wrote:
>
> Lately my Orion II has been losing settings when turned off. I tried a
> master reset and when I got to the master reset complete screen there
> was a banner on top saying "Battery Failure." I replaced the battery
> three years ago, so it seems strange that it would already be bad. I
> know Ten-Tec service is repairing rigs, but are they also fulfilling
> parts orders, or should I order a new battery from Mouser?
>
>
> Thanks,
>
> Stan, W4AG
>
>

11641. Re: [orion565] Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 18:49:09 UTC
From: Bob McGraw K4TAX
Topic: 11639 Message: 11641

Look in the department where they sell watch batteries and such. There's usually a "battery kiosk" which has many models from which to select. Nothing special about the battery used in the Orion. And while you are there, pick up a spare, often found in a 2 pack.

73

Bob, K4TAX

On 10/27/2016 1:42 PM, Bob McGraw K4TAX RMcGraw@... [orion565] wrote:
>
> Why not just go to your local WalMart {or what ever} store and buy a
> new battery? Take the old one out, check the model number and buy a
> like new battery there.
>
> 73
>
> Bob, K4TAX
>
>
> On 10/27/2016 1:16 PM, w4ag@... [orion565] wrote:
>>
>> Lately my Orion II has been losing settings when turned off. I tried
>> a master reset and when I got to the master reset complete screen
>> there was a banner on top saying "Battery Failure." I replaced the
>> battery three years ago, so it seems strange that it would already be
>> bad. I know Ten-Tec service is repairing rigs, but are they also
>> fulfilling parts orders, or should I order a new battery from Mouser?
>>
>>
>> Thanks,
>>
>> Stan, W4AG
>>
>
>

11642. Re: [orion565] Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 19:45:38 UTC
From: Barry N1EU
Topic: 11639 Message: 11642

Walmart sells snaphat batteries?

Barry N1EU

On Thu, Oct 27, 2016 at 2:49 PM, Bob McGraw K4TAX RMcGraw@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Look in the department where they sell watch batteries and such. There's
> usually a "battery kiosk" which has many models from which to select.
> Nothing special about the battery used in the Orion. And while you are
> there, pick up a spare, often found in a 2 pack.
>
> 73
>
> Bob, K4TAX
>
> On 10/27/2016 1:42 PM, Bob McGraw K4TAX RMcGraw@... [orion565]
> wrote:
>
>
>
> Why not just go to your local WalMart {or what ever} store and buy a new
> battery? Take the old one out, check the model number and buy a like new
> battery there.
>
> 73
>
> Bob, K4TAX
>
> On 10/27/2016 1:16 PM, w4ag@... [orion565] wrote:
>
>
>
> Lately my Orion II has been losing settings when turned off. I tried a
> master reset and when I got to the master reset complete screen there was a
> banner on top saying "Battery Failure." I replaced the battery three years
> ago, so it seems strange that it would already be bad. I know Ten-Tec
> service is repairing rigs, but are they also fulfilling parts orders, or
> should I order a new battery from Mouser?
>
>
> Thanks,
>
> Stan, W4AG

>
>
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>
>

11643. Re: [orion565] Rubber rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 21:12:47 UTC
From: John D.
Topic: 11635 Message: 11643

Yep, that a RRR, that's the one! Thanks for the reply!!! And you too Barry!!!

I just haven't had good results from their email. I was chewed out by their pres. for first saying they were missed, then asked if they were going to make new rigs and if they were servicing the older ones, as I was in the market for a 565... He very sternly warned me to make sure I didn't send an email to the wrong address or I'd be reprimanded by the receiver for my ignorance. I love their rigs, just not sure where that kind of attitude will take the company??? Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club

From: "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Thursday, October 27, 2016 12:16 PM
Subject: Re: [orion565] Rubber rings

  What address did you use for Tentec? The ONLY address to use is: SERVICE@....

Bob, K4TAX

Sent from my iPhone
On Oct 27, 2016, at 10:17 AM, KC3DBG kc3dbg@... [orion565] <orion565@yahoogroups.com> wrote:

  Hey everyone. I emailed TenTec 3 separate times over a month asking the following and never received a reply.

Do the colored, rubber VFO rings that TenTec sells for the Omni VII also fit our 565's? If not, do you have a source for the nicer rings?

Thanks so much everyone, and good luck this weekend if you get on! Have fun!

As a side note Concerning my no TX out issue, I ended up giving the rig back to my that friend I bought it from, as I never found the source of trouble for the no TX power. His good friend at Down East Microwave will be looking at it, and I'll share the results here. Alternating between the XVTR on/off did cause sporadic power out, but nothing that lasted. I did get another 565, and I tried swapping the board with the XVTR relay on it with the board and it didn't make a difference. I didn't want to swap other boards not knowing the issue.

John D.
K3DBG

Vice president of the Murgas Amateur Radio Club

sent from rooted Samsung S4

11644. RE: [orion565] Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 21:13:45 UTC
From: Stan
Topic: 11639 Message: 11644

I am tempted to put in a CR-2032, but just to keep the rig “standard” I will order one from DigiKey.

Thanks,

Stan, W4AG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Thursday, October 27, 2016 3:46 PM
To: Orion565 <orion565@yahoogroups.com>
Subject: Re: [orion565] Orion II battery failure after 3 years?

Walmart sells snaphat batteries?

Barry N1EU

On Thu, Oct 27, 2016 at 2:49 PM, Bob McGraw K4TAX RMcGraw@... <mailto:RMcGraw@...>
[orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com> > wrote:

Look in the department where they sell watch batteries and such. There's usually a "battery kiosk" which has many models from which to select. Nothing special about the battery used in the Orion. And while you are there, pick up a spare, often found in a 2 pack.

73

Bob, K4TAX

On 10/27/2016 1:42 PM, Bob McGraw K4TAX RMcGraw@... <mailto:RMcGraw@Blomand.net>
[orion565] wrote:

Why not just go to your local WalMart {or what ever} store and buy a new battery? Take the old one out, check the model number and buy a like new battery there.

73

Bob, K4TAX

On 10/27/2016 1:16 PM, w4ag@... <mailto:w4ag@...> [orion565] wrote:

Lately my Orion II has been losing settings when turned off. I tried a master reset and when I got to the master reset complete screen there was a banner on top saying "Battery Failure." I replaced the battery three years ago, so it seems strange that it would already be bad. I know Ten-Tec service is repairing rigs, but are they also fulfilling parts orders, or should I order a new battery from Mouser?

Thanks,

Stan, W4AG

11645. Re: [orion565] Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 21:30:46 UTC
From: Bob McGraw K4TAX
Topic: 11639 Message: 11645

Mine uses a battery about the diameter of a quarter and about the
thickness of two quarters. Purchased replacement at Walmart or Lowe's
or ????..... as it's been long enough I forgot exactly where.

73

Bob, K4TAX

On 10/27/2016 4:13 PM, 'Stan' w4ag@... [orion565] wrote:
>
> I am tempted to put in a CR-2032, but just to keep the rig “standard”
> I will order one from DigiKey.
>
> Thanks,
>
> Stan, W4AG
>
> *From:*orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Thursday, October 27, 2016 3:46 PM
> *To:* Orion565 <orion565@yahoogroups.com>
> *Subject:* Re: [orion565] Orion II battery failure after 3 years?
>
> Walmart sells snaphat batteries?
>
> Barry N1EU
>
> On Thu, Oct 27, 2016 at 2:49 PM, Bob McGraw K4TAX RMcGraw@...
> <mailto:RMcGraw@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> Look in the department where they sell watch batteries and such.
> There's usually a "battery kiosk" which has many models from which
> to select. Nothing special about the battery used in the Orion.
> And while you are there, pick up a spare, often found in a 2 pack.
>
> 73
>
> Bob, K4TAX
>
> On 10/27/2016 1:42 PM, Bob McGraw K4TAX RMcGraw@...
> <mailto:RMcGraw@...> [orion565] wrote:
>
> Why not just go to your local WalMart {or what ever} store and
> buy a new battery? Take the old one out, check the model
> number and buy a like new battery there.
>

> 73
>
> Bob, K4TAX
>
> On 10/27/2016 1:16 PM, w4ag@... <mailto:w4ag@...>
> [orion565] wrote:
>
> Lately my Orion II has been losing settings when turned
> off. I tried a master reset and when I got to the master
> reset complete screen there was a banner on top saying
> "Battery Failure." I replaced the battery three years ago,
> so it seems strange that it would already be bad. I know
> Ten-Tec service is repairing rigs, but are they also
> fulfilling parts orders, or should I order a new battery
> from Mouser?
>
> Thanks,
>
> Stan, W4AG
>
>

11646. Re: [orion565] Rubber rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 21:37:47 UTC
From: Bob McGraw K4TAX
Topic: 11635 Message: 11646

In a recent post and response it was noted "we are overwhelmed at the moment and can't do any service or small parts orders until later in October?" I guess we all have to wait and see what transpires.

73

Bob, K4TAX

On 10/27/2016 4:12 PM, 'John D.' kc3dbg@... [orion565] wrote:
> Yep, that a RRR, that's the one! Thanks for the reply!!! And you too
> Barry!!!
>
> I just haven't had good results from their email. I was chewed out by
> their pres. for first saying they were missed, then asked if they were
> going to make new rigs and if they were servicing the older ones, as I
> was in the market for a 565... He very sternly warned me to make sure
> I didn't send an email to the wrong address or I'd be reprimanded by
> the receiver for my ignorance. I love their rigs, just not sure where
> that kind of attitude will take the company???
> *Thanks,
> K3DBG
> John D.
> Vice President for the Murgas Amateur Radio Club
> <http://www.murgasarc.org/>
> *
>
>
> ---
> *From:* "Bob McGraw K4TAX RMcGraw@... [orion565]"
> <orion565@yahoogroups.com>
> *To:* orion565@yahoogroups.com
> *Sent:* Thursday, October 27, 2016 12:16 PM
> *Subject:* Re: [orion565] Rubber rings
>
> What address did you use for Tentec? The ONLY address to use is:
> SERVICE@... <mailto:SERVICE@...>.
>
>
> Bob, K4TAX
>
>
> Sent from my iPhone
>
> On Oct 27, 2016, at 10:17 AM, KC3DBG kc3dbg@...
> <mailto:kc3dbg@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:

>
>> Hey everyone. I emailed TenTec 3 separate times over a month asking
>> the following and never received a reply.
>>
>> Do the colored, rubber VFO rings that TenTec sells for the Omni VII
>> also fit our 565's? If not, do you have a source for the nicer rings?
>>
>> Thanks so much everyone, and good luck this weekend if you get on!
>> Have fun!
>>
>> As a side note Concerning my no TX out issue, I ended up giving the
>> rig back to my that friend I bought it from, as I never found the
>> source of trouble for the no TX power. His good friend at Down East
>> Microwave will be looking at it, and I'll share the results here.
>> Alternating between the XVTR on/off did cause sporadic power out, but
>> nothing that lasted. I did get another 565, and I tried swapping the
>> board with the XVTR relay on it with the board and it didn't make a
>> difference. I didn't want to swap other boards not knowing the issue.
>>
>> John D.
>> K3DBG
>>
>> Vice president of the Murgas Amateur Radio Club
>>
>> sent from rooted Samsung S4
>
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>

11647. Re: [orion565] Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 21:43:04 UTC
From: Billy Cox
Topic: 11639 Message: 11647

Bob, do you have an Orion or Orion II now? If so, congrats! There may be up to two different batteries in the Orion platform. Some (but not all) tuners may use a "round 2032 type battery". However the main board per what Barry, N1EU mentioned is NOT a "round battery". It is a small yellow rectangular battery. See this link which also shows pictures. http://tentecwiki.org/doku.php?id=565battery (Perhaps you are thinking of your Eagle, which may use that "round type" of battery) 73 de Billy, AA4NU ----- Original Message ----- From: "Bob McGraw K4TAX Mine uses a battery about the diameter of a quarter and about the thickness of two quarters. Purchased replacement at Walmart or Lowe's or ????..... as it's been long enough I forgot exactly where. 73 Bob, K4TAX On 10/27/2016 4:13 PM, 'Stan' w4ag@... [orion565] wrote: I am tempted to put in a CR-2032, but just to keep the rig “standard” I will order one from DigiKey. Thanks, Stan, W4AG From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com] Sent: Thursday, October 27, 2016 3:46 PM To: Orion565 Subject: Re: [orion565] Orion II battery failure after 3 years? Walmart sells snaphat batteries? Barry N1EU On Thu, Oct 27, 2016 at 2:49 PM, Bob McGraw K4TAX RMcGraw@... [orion565] < orion565@yahoogroups.com > wrote:
Look in the department where they sell watch batteries and such. There's usually a "battery kiosk" which has many models from which to select. Nothing special about the battery used in the Orion. And while you are there, pick up a spare, often found in a 2 pack. 73 Bob, K4TAX On 10/27/2016 1:42 PM, Bob McGraw K4TAX RMcGraw@... [orion565] wrote:
Why not just go to your local WalMart {or what ever} store and buy a new battery? Take the old one out, check the model number and buy a like new battery there. 73 Bob, K4TAX On 10/27/2016 1:16 PM, w4ag@... [orion565] wrote:
Lately my Orion II has been losing settings when turned off. I tried a master reset and when I got to the master reset complete screen there was a banner on top saying "Battery Failure." I replaced the battery three years ago, so it seems strange that it would already be bad. I know Ten-Tec service is repairing rigs, but are they also fulfilling parts orders, or should I order a new battery from Mouser? Thanks, Stan, W4AG

11648. Re: [orion565] Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 21:59:24 UTC
From: Bob McGraw K4TAX
Topic: 11639 Message: 11648

I purchased a "basket case" parts radio Orion. It was a PITA to get going. Still has some issues but does work.

Bob, K4TAX

Sent from my iPhone

> On Oct 27, 2016, at 4:43 PM, Billy Cox aa4nu@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Bob, do you have an Orion or Orion II now? If so, congrats!
>
> There may be up to two different batteries in the Orion platform.
>
> Some (but not all) tuners may use a "round 2032 type battery".
>
> However the main board per what Barry, N1EU mentioned is
> NOT a "round battery". It is a small yellow rectangular battery.
>
> See this link which also shows pictures.
>
> http://tentecwiki.org/doku.php?id=565battery
>
> (Perhaps you are thinking of your Eagle, which may use that
> "round type" of battery)
>
> 73 de Billy, AA4NU
>
>
> From: "Bob McGraw K4TAX
>
> Mine uses a battery about the diameter of a quarter and about the thickness of two quarters. Purchased replacement at Walmart or Lowe's or ????..... as it's been long enough I forgot exactly where.
> 73
>
> Bob, K4TAX
>
>
> On 10/27/2016 4:13 PM, 'Stan' w4ag@... [orion565] wrote:
>
> I am tempted to put in a CR-2032, but just to keep the rig “standard” I will order one from DigiKey.
>
>
>

> Thanks,
>
> Stan, W4AG
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Thursday, October 27, 2016 3:46 PM
> To: Orion565 <orion565@yahoogroups.com>
> Subject: Re: [orion565] Orion II battery failure after 3 years?
>
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> Walmart sells snaphat batteries?
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> Barry N1EU
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> On Thu, Oct 27, 2016 at 2:49 PM, Bob McGraw K4TAX RMcGraw@... [orion565]
<orion565@yahoogroups.com> wrote:
>
>
>
> Look in the department where they sell watch batteries and such. There's usually a
"battery kiosk" which has many models from which to select. Nothing special about the
battery used in the Orion. And while you are there, pick up a spare, often found in a 2
pack.
>
> 73
>
> Bob, K4TAX
>
>
>
> On 10/27/2016 1:42 PM, Bob McGraw K4TAX RMcGraw@...t [orion565] wrote:
>
>
>
> Why not just go to your local WalMart {or what ever} store and buy a new battery? Take
the old one out, check the model number and buy a like new battery there.
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> 73
>
> Bob, K4TAX
>

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>
> On 10/27/2016 1:16 PM, w4ag@... [orion565] wrote:
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>
> Lately my Orion II has been losing settings when turned off. I tried a master reset and when I got to the master reset complete screen there was a banner on top saying "Battery Failure." I replaced the battery three years ago, so it seems strange that it would already be bad. I know Ten-Tec service is repairing rigs, but are they also fulfilling parts orders, or should I order a new battery from Mouser?
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> Thanks,
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> Stan, W4AG
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11649. Re: [orion565] Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 22:05:36 UTC
From: Tony Sokol
Topic: 11639 Message: 11649

The tuner in my 566 uses a 2025 but from what I read many Orion tuners do not have a memory and therefore no tuner battery. I replaced both last weekend along with the 3 caps on the A9 board. Caps and batteries are all available from Mouser.

Tony - W9JXN

Sent from my iPad

> On Oct 27, 2016, at 4:43 PM, Billy Cox aa4nu@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Bob, do you have an Orion or Orion II now? If so, congrats!
>
> There may be up to two different batteries in the Orion platform.
>
> Some (but not all) tuners may use a "round 2032 type battery".
>
> However the main board per what Barry, N1EU mentioned is
> NOT a "round battery". It is a small yellow rectangular battery.
>
> See this link which also shows pictures.
>
> http://tentecwiki.org/doku.php?id=565battery
>
> (Perhaps you are thinking of your Eagle, which may use that
> "round type" of battery)
>
> 73 de Billy, AA4NU
>
>
> From: "Bob McGraw K4TAX
>
> Mine uses a battery about the diameter of a quarter and about the thickness of two quarters. Purchased replacement at Walmart or Lowe's or ????..... as it's been long enough I forgot exactly where.
> 73
>
> Bob, K4TAX
>
>
> On 10/27/2016 4:13 PM, 'Stan' w4ag@... [orion565] wrote:
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> I am tempted to put in a CR-2032, but just to keep the rig “standard” I will order one from DigiKey.
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>
> Thanks,
>
> Stan, W4AG
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Thursday, October 27, 2016 3:46 PM
> To: Orion565 <orion565@yahoogroups.com>
> Subject: Re: [orion565] Orion II battery failure after 3 years?
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>
> Walmart sells snaphat batteries?
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> Barry N1EU
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>
> On Thu, Oct 27, 2016 at 2:49 PM, Bob McGraw K4TAX RMcGraw@... [orion565]
<orion565@yahoogroups.com> wrote:
>
>
>
> Look in the department where they sell watch batteries and such. There's usually a
"battery kiosk" which has many models from which to select. Nothing special about the
battery used in the Orion. And while you are there, pick up a spare, often found in a 2
pack.
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> 73
>
> Bob, K4TAX
>
>
>
> On 10/27/2016 1:42 PM, Bob McGraw K4TAX RMcGraw@... [orion565] wrote:
>
>
>
> Why not just go to your local WalMart {or what ever} store and buy a new battery? Take
the old one out, check the model number and buy a like new battery there.
>
> 73
>
> Bob, K4TAX

>
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>
> On 10/27/2016 1:16 PM, w4ag@... [orion565] wrote:
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>
> Lately my Orion II has been losing settings when turned off. I tried a master reset and when I got to the master reset complete screen there was a banner on top saying "Battery Failure." I replaced the battery three years ago, so it seems strange that it would already be bad. I know Ten-Tec service is repairing rigs, but are they also fulfilling parts orders, or should I order a new battery from Mouser?
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> Thanks,
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> Stan, W4AG
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11650. Re: [orion565] Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 22:10:16 UTC
From: David Moorman
Topic: 11639 Message: 11650

It’s not hard to replace, but you remove what seems like 50 screws to get to it.

This is probably a redundant link: http://tentecwiki.org/doku.php?id=565battery <http://tentecwiki.org/doku.php?id=565battery>

Dave

> On Oct 27, 2016, at 1:16 PM, w4ag@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Lately my Orion II has been losing settings when turned off. I tried a master reset and when I got to the master reset complete screen there was a banner on top saying "Battery Failure." I replaced the battery three years ago, so it seems strange that it would already be bad. I know Ten-Tec service is repairing rigs, but are they also fulfilling parts orders, or should I order a new battery from Mouser?
>
>
>
> Thanks,
>
> Stan, W4AG
>
>
>

11651. Re: [orion565] Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-27 22:46:33 UTC
From: Barry N1EU
Topic: 11639 Message: 11651

That sounds like the auto tuner battery, not the main cpu battery.

73, Barry N1EU

On Thu, Oct 27, 2016 at 5:30 PM, Bob McGraw K4TAX RMcGraw@Blomand.net
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Mine uses a battery about the diameter of a quarter and about the
> thickness of two quarters. Purchased replacement at Walmart or Lowe's or
> ????..... as it's been long enough I forgot exactly where.
>
> 73
>
> Bob, K4TAX
>
> On 10/27/2016 4:13 PM, 'Stan' w4ag@... [orion565] wrote:
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>
> I am tempted to put in a CR-2032, but just to keep the rig “standard” I
> will order one from DigiKey.
>
>
>
> Thanks,
>
> Stan, W4AG
>
>
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com
> <orion565@yahoogroups.com>]
> *Sent:* Thursday, October 27, 2016 3:46 PM
> *To:* Orion565 <orion565@yahoogroups.com> <orion565@yahoogroups.com>
> *Subject:* Re: [orion565] Orion II battery failure after 3 years?
>
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>
> Walmart sells snaphat batteries?
>
>
>

> Barry N1EU
>
>
>
> On Thu, Oct 27, 2016 at 2:49 PM, Bob McGraw K4TAX RMcGraw@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
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>
> Look in the department where they sell watch batteries and such. There's
> usually a "battery kiosk" which has many models from which to select.
> Nothing special about the battery used in the Orion. And while you are
> there, pick up a spare, often found in a 2 pack.
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> Bob, K4TAX
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> On 10/27/2016 1:42 PM, Bob McGraw K4TAX RMcGraw@Blomand.net [orion565]
> wrote:
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>
> Why not just go to your local WalMart {or what ever} store and buy a new
> battery? Take the old one out, check the model number and buy a like new
> battery there.
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> Bob, K4TAX
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> On 10/27/2016 1:16 PM, w4ag@... [orion565] wrote:
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>
>
> Lately my Orion II has been losing settings when turned off. I tried a
> master reset and when I got to the master reset complete screen there was a
> banner on top saying "Battery Failure." I replaced the battery three years
> ago, so it seems strange that it would already be bad. I know Ten-Tec
> service is repairing rigs, but are they also fulfilling parts orders, or
> should I order a new battery from Mouser?
>
>
>
> Thanks,
>

> Stan, W4AG
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11652. Re: [orion565] Orion II battery failure after 3 years?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-28 02:26:44 UTC
From: Wayne Staples
Topic: 11639 Message: 11652

Hi Stan

The battery failure indicator comes up when you initiate a ram clear not normally a Master reset. A certain indicator of a CPU battery failure is the transceiver will execute a master reset upon power up. I suppose it will depend on what settings are being lost as to what your problem is and how it can rectified. You could try reloading the firmware or if applicable load the latest update. Another tip with both 565 & 566 Orions when pushing buttons and changing settings do it slowly and concisely the CPU can become confused when input is too fast, i.e. two commands trying to execute at the same time. I hope this helps living in OZ Ten Tec is long trip so we down here have to work it ourselves as I am sure you will able to as well.

Best 73 Wayne VK4EU

On 28/10/16 04:16, w4ag@... [orion565] wrote:
>
>
> Lately my Orion II has been losing settings when turned off. I tried a
> master reset and when I got to the master reset complete screen there
> was a banner on top saying "Battery Failure." I replaced the battery
> three years ago, so it seems strange that it would already be bad. I
> know Ten-Tec service is repairing rigs, but are they also fulfilling
> parts orders, or should I order a new battery from Mouser?
>
>
> Thanks,
>
> Stan, W4AG
>
>
>
>

11653. OT: Wonderword - Amateur Radio Words

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-28 15:18:18 UTC
From: John T. Fleming
Topic: 11653 Message: 11653

A group here in The Villages submitted the required information to www.wonderword.com and the word search puzzle is featured in the paper today if your local paper carries Wonderword. The Villages is a retirement community of 157,000 retires and there are over 500 hams listed in the 3 ZIP codes. It seems like we must have sum puzzle fanatics living here. :>}
73,
John

11654. Orion 565 VFO A is TX/RX'ing anywhere?!!

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-30 22:08:31 UTC
From: John D.
Topic: 11654 Message: 11654

Hey everyone,

Well, maybe this is well known, but I sure as hell didn't know it, and I actually got into kind of an argument 2 days ago with a friend telling me another local ham used his Orion on 11 meters, and yes, to TX, not just RX!! I said that there's not even a MARS mod, as far as I know, let alone 11 meter mod. He said the kid doing this was using the computer to control the rig and saw it with his own eyes (not that he was impressed, just saying).
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It doesn't seem to TX in CW, but I'm not willing to keep screwing around to find else where or how it'll TX! I can't afford to fix it if I break it, and I was scared there was a possibility of burning up a filter or something, so I didn't want to try this again, but I did want to share this.

What do you guys think? Is this well known? Yes, VFO A, not the sub RX, and it IS transmitting anywhere! I have the Main TX/RX set to antenna 1, and VFO A is set for TX and RX. I could upload a pic if there's doubt!
I can care less about 11 meters, but, as long as the filtering isn't in danger from transmitting outta band, this has some promise for those in MARS and what ever TXing outta band is warranted!
What are your thoughts? Is this a known "trick" (possibly a stupid one), or did I invent something that's going to get me outta debt? hi hi!

Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club

11655. Re: [orion565] Orion 565 VFO A is TX/RX'ing anywhere?!!

Yahoo group: orion565 (2014 — 2017)
Date: 2016-10-31 13:46:29 UTC
From: Bob McGraw K4TAX
Topic: 11654 Message: 11655

I doubt this would "get you outta debt".....but using the radio outside of the ham bands, if found guilty, might get you several years of free room and board in the Federal Iron Bar Hotel. As a licensed ham, you do risk your license by using a radio of this type on the Citizen Band.

Actually I doubt it would cause any harm to the band pass filters on the TX side. I did check three programs which are convenient being HRD/DM780 and FLDIGI and one other and found they do limit transmit to the current ham band allocation of frequencies.

73

Bob, K4TAX

On 10/30/2016 5:08 PM, 'John D.' kc3dbg@... [orion565] wrote:
> Hey everyone,
>
> Well, maybe this is well known, but I sure as hell didn't know it, and
> I actually got into kind of an argument 2 days ago with a friend
> telling me another local ham used his Orion on 11 meters, and yes, to
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> John D.
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> <http://www.murgasarc.org/>
> *
>

11656. Re: [orion565] Orion 565 VFO A is TX/RX'ing anywhere?!!

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-01 00:24:44 UTC
From: Wayne Staples
Topic: 11654 Message: 11656

Hi John D

This has been well known for some time, a number very well known rig control programs have total control over the 565 & 566 Orions on tx & rx. Now if you are temped to use that ability for out of band use, then you are knowingly breaking a federal law and there is a logical consequence to that, you can listen but no talky.

Best 73 Wayne VK4EU

On 31/10/16 08:08, 'John D.' kc3dbg@... [orion565] wrote:
>
>
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11657. Re: [orion565] Orion 565 VFO A is TX/RX'ing anywhere?!!

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-01 02:14:01 UTC
From: John D.
Topic: 11654 Message: 11657

"No talky" ha!!
no no no! I have NO interest in transmitting or talky outta band! I thought I made that clear, ha! Talking like a gentleman outta band is worse than acting like some people I've heard on 75 and 20 meters (their language I've heard a few times was insane)! I guess there's just nothing anyone in charge is willing to do? That's another subject!

I was referring to MARS and whatever else! But no, I have interest in even listening (maybe some SW)! It was a total coincidence I jerked the wheel a tad too hard and it went outta band!
Now HRD;
I still can't get the 565 to be controlled with HRD! I tried all different com port settings, and I just can't seem to get it to hook up to HRD! Any ideas? Thanks!
 Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club

From: "Wayne Staples vk4eu@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Monday, October 31, 2016 8:24 PM
Subject: Re: [orion565] Orion 565 VFO A is TX/RX'ing anywhere?!!

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John D.
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11658. Re: [orion565] Orion 565 VFO A is TX/RX'ing anywhere?!!

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-01 12:58:43 UTC
From: Wayne Staples
Topic: 11654 Message: 11658

John D

In regard to HRD if you are using a serial cable the connection must be set up as com 1 @ 56700 baud rate in the connection panel of HRD and you must make sure that those settings are mirrored in the control panel, device manager, ports.

If you are using a USB to serial adapter Windows will select select a com port other than 1 it is more likely to com 3 or com5 again you must ensure the settings set in the control panel i.e. com port number and baud rate are the same as the settings in HRD.

Ten Tec Orions baud rate is always 56700. When you get the radio connected to the computer the vfo and some other controls will not not work you have to change frequency from HRD, this is normal. When you have finished operating your radio under the control of HRD is it a good idea to power down and the power up again to operate the radio normally. Using rig control software will not cause any harm to your radio. Any other questions please do not hesitate only too pleased to assist.

Regards 73 Wayne VK4EU

On 01/11/16 12:14, 'John D.' kc3dbg@... [orion565] wrote:
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> "No talky" ha!!
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> worse than acting like some people I've heard on 75 and 20 meters
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> *
>
>
> ---
> *From:* "Wayne Staples vk4eu@... [orion565]"
> <orion565@yahoogroups.com>
> *To:* orion565@yahoogroups.com
> *Sent:* Monday, October 31, 2016 8:24 PM
> *Subject:* Re: [orion565] Orion 565 VFO A is TX/RX'ing anywhere?!!
>
> Hi John D
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> <mailto:kc3dbg@...> [orion565] wrote:
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11659. For Sale: SSB and CW filters

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-05 12:53:25 UTC
From: Barry N1EU
Topic: 11659 Message: 11659

I've got the following Ten-Tec and Inrad filters for sale. I've taken my best shot at listing the rigs that each filter will work in.

SSB Filters:

2800Hz
Inrad #754 *9MHz i.f.* and #755 *6.3MHz i.f.* for Omni V/VI/VI+, Corsair I/II $170 pair
Inrad #755 *6.3MHz i.f.* for Omni V/VI/VI+, Corsair I/II $85

2400Hz 10-pole
Inrad #756 *9MHz i.f.* for Omni V/VI/VI+, Corsair I/II $95

1800Hz
Inrad #761 *9MHz i.f.* for Omni ABCD, Omni V/VI/VI+, Orion 565 $85
Ten-Tec #288 *6.3MHz i.f.* for Omni V/VI/VI+, Corsair I/II $70

CW filters:

500Hz
Ten-Tec #285 *6.3MHz i.f.* for Omni V/VI/VI+, Corsair I/II $70

250Hz
Ten-Tec #219 *9MHz i.f.* for Omni ABCD, Omni V/VI/VI+, Orion 565 $70
Ten-Tec #282 *6.3MHz i.f.* for Omni V/VI/VI+, Corsair I/II $70
Inrad #751 *6.3MHz i.f.* for Omni V/VI/VI+, Corsair I/II $85

Priority Mail shipping $5 total per order. Priority will be given to multiple filter purchases.

Please email me directly

73, Barry N1EU

11660. Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-07 13:22:08 UTC
From: Bob Meadows
Topic: 11528 Message: 11660

I have an issue with my Ten Tec Orion II. When I am speaking into the microphone and wearing headsets, I get a loud pop in my ears when I start to transmit from time to time. It does not happen every time, but when it does it about takes the top of my head off. I can also hear what sounds like RF getting into the audio system coming out of my internal and external speakers as well when I am not using the headset. I have done a Master Reset several times, and it has not cleared this issue. At one time it did it so bad it shut the transmit off and I had to turn the radio off and on again. This popping noise sounds like RF getting into something inside the radio, not on my headset or the other two speakers. Any ideas on what this could be?
Thanks, Bob Meadows W6MTM
++++++++++++++++++++++++++++++++++++=

11661. Re: [orion565] Ten Tec Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-08 05:47:22 UTC
From: Barry Simpson
Topic: 11528 Message: 11661

Hi Bob

I suspect that it is RF coming down your microphone cable.

I had the same thing and cured it by winding the lead around a small ferrite toroid.

I think it is quite common with O2's.

Barry VK2BJ

On 8 November 2016 at 00:22, Bob Meadows wa6mtm@... [orion565] <orion565@...m> wrote:

>
>
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> microphone and wearing headsets, I get a loud pop in my ears when I start
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> what this could be?
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> ++++++++++++++++++++++++++++++++++=
>
>

11662. Re: [orion565] Orion 565 HRD now working!

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-08 07:10:42 UTC
From: John D.
Topic: 11654 Message: 11662

I like reporting back when (IF) something I asked earlier was resolved! As far as HRD and my Orion 565, No matter what I tried I could not get the program to control the Orion. I ended up getting it working by uninstalling the version I had installed (5.24.0.28 the last free ver.) though the app data folder was left in tact, I decided to delete the folder in "Program Files" cause the uninstall left some bits behind, I then reinstalled it fresh. On the first try it connected and controlled my Orion!!!!
Some non important info:I tried selecting Jupiter or Argonaut, and it worked, to SOME degree! I also tried going into the "Tools" and "Command Tester" then selected the correct settings, (TenTec, 57600, and for me-COM2, CTS, DTR, and RTS were all checked) and for the command I names it "Test" and put the command "?AF" and had <cr> in both drop down windows, when I clicked send, I got "[OK] @AF7076000<cr>" So since it was successfully controlling or talking to the Orion, I think, somehow, the Orion commands got screwed up in the program folder.

It's working now!!!
Thanks for all that replied!!!
 Thanks,
K3DBG
John D.
Vice President for the Murgas Amateur Radio Club

From: "Wayne Staples vk4eu@... [orion565]" <orion565@...m>
To: orion565@yahoogroups.com
Sent: Tuesday, November 1, 2016 8:58 AM
Subject: Re: [orion565] Orion 565 VFO A is TX/RX'ing anywhere?!!

  John D In regard to HRD if you are using a serial cable the connection must be set up as com 1 @ 56700 baud rate in the connection panel of HRD and you must make sure that those settings are mirrored in the control panel, device manager, ports. If you are using a USB to serial adapter Windows will select select a com port other than 1 it is more likely to com 3 or com5 again you must ensure the settings set in the control panel i.e. com port number and baud rate are the same as the settings in HRD.
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To: orion565@yahoogroups.com
Sent: Monday, October 31, 2016 8:24 PM
Subject: Re: [orion565] Orion 565 VFO A is TX/RX'ing anywhere?!!

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11663. Re: [orion565] Orion 565 HRD now working!

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-08 13:13:33 UTC
From: Bob McGraw K4TAX
Topic: 11654 Message: 11663

I recently experienced an issue with HRD not completely nor correctly communicating with my K3S. This error seemingly occurred after a Windows 10 update. I found it was necessary to uninstall and re-install the application. But before doing so I did remove the application using the uninstall routine and then by using another application to clean not only the hard disk but the Registry. I found there were several fragments of the application which remained even after the application uninstall routine. Now, having completed this, I did a fresh install of the HRD/DM780 application, free version. Once done, all worked normally and correctly.

Thanks to Microsoft for the "learning experience". Grrrrrr!

73

Bob, K4TAX

On 11/8/2016 1:10 AM, 'John D.' kc3dbg@... [orion565] wrote:
> I like reporting back when (IF) something I asked earlier was
> resolved! As far as HRD and my Orion 565, No matter what I tried I
> could not get the program to control the Orion. I ended up getting it
> working by uninstalling the version I had installed (5.24.0.28 the
> last free ver.) though the app data folder was left in tact, I decided
> to delete the folder in "Program Files" cause the uninstall left some
> bits behind, I then reinstalled it fresh. On the first try it
> connected and controlled my Orion!!!!
>
> Some non important info:
> I tried selecting Jupiter or Argonaut, and it worked, to SOME degree!
> I also tried going into the "Tools" and "Command Tester" then selected
> the correct settings, (TenTec, 57600, and for me-COM2, CTS, DTR, and
> RTS were all checked) and for the command I names it "Test" and put
> the command "?AF" and had <cr> in both drop down windows, when I
> clicked send, I got "[OK] @AF7076000<cr>" So since it was successfully
> controlling or talking to the Orion, I think, somehow, the Orion
> commands got screwed up in the program folder.
>
> It's working now!!!
>
> Thanks for all that replied!!!
> *Thanks,
> K3DBG
> John D.
> Vice President for the Murgas Amateur Radio Club
> <http://www.murgasarc.org/>
> *

>
>
> ---
> *From:* "Wayne Staples vk4eu@... [orion565]"
> <orion565@yahoogroups.com>
> *To:* orion565@yahoogroups.com
> *Sent:* Tuesday, November 1, 2016 8:58 AM
> *Subject:* Re: [orion565] Orion 565 VFO A is TX/RX'ing anywhere?!!
>
> John D
> In regard to HRD if you are using a serial cable the connection must
> be set up as com 1 @ 56700 baud rate in the connection panel of HRD
> and you must make sure that those settings are mirrored in the control
> panel, device manager, ports.
> If you are using a USB to serial adapter Windows will select select a
> com port other than 1 it is more likely to com 3 or com5 again you
> must ensure the settings set in the control panel i.e. com port number
> and baud rate are the same as the settings in HRD.
> Ten Tec Orions baud rate is always 56700. When you get the radio
> connected to the computer the vfo and some other controls will not not
> work you have to change frequency from HRD, this is normal. When you
> have finished operating your radio under the control of HRD is it a
> good idea to power down and the power up again to operate the radio
> normally. Using rig control software will not cause any harm to your
> radio. Any other questions please do not hesitate only too pleased to
> assist.
> Regards 73 Wayne VK4EU
>
> On 01/11/16 12:14, 'John D.' kc3dbg@...
> <mailto:kc3dbg@...> [orion565] wrote:
>> "No talky" ha!!
>>
>> no no no! I have NO interest in transmitting or talky outta band! I
>> thought I made that clear, ha! Talking like a gentleman outta band is
>> worse than acting like some people I've heard on 75 and 20 meters
>> (their language I've heard a few times was insane)! I guess there's
>> just nothing anyone in charge is willing to do? That's another subject!
>>
>> I was referring to MARS and whatever else! But no, I have interest in
>> even listening (maybe some SW)! It was a total coincidence I jerked
>> the wheel a tad too hard and it went outta band!
>>
>> Now HRD;
>> I still can't get the 565 to be controlled with HRD! I tried all
>> different com port settings, and I just can't seem to get it to hook
>> up to HRD! Any ideas? Thanks!
>> *Thanks,
>> K3DBG
>> John D.
>> Vice President for the Murgas Amateur Radio Club

>> <http://www.murgasarc.org/>
>> *
>>
>>
>> ---
>> *From:* "Wayne Staples vk4eu@...
>> <mailto:vk4eu@...> [orion565]" <orion565@yahoogroups.com>
>> <mailto:orion565@yahoogroups.com>
>> *To:* orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>> *Sent:* Monday, October 31, 2016 8:24 PM
>> *Subject:* Re: [orion565] Orion 565 VFO A is TX/RX'ing anywhere?!!
>>
>> Hi John D
>> This has been well known for some time, a number very well known rig
>> control programs have total control over the 565 & 566 Orions on tx &
>> rx. Now if you are temped to use that ability for out of band use,
>> then you are knowingly breaking a federal law and there is a logical
>> consequence to that, you can listen but no talky.
>> Best 73 Wayne VK4EU
>>
>> On 31/10/16 08:08, 'John D.' kc3dbg@...
>> <mailto:kc3dbg@...> [orion565] wrote:
>>> Hey everyone,
>>>
>>> Well, maybe this is well known, but I sure as hell didn't know it,
>>> and I actually got into kind of an argument 2 days ago with a friend
>>> telling me another local ham used his Orion on 11 meters, and yes,
>>> to TX, not just RX!! I said that there's not even a MARS mod, as far
>>> as I know, let alone 11 meter mod. He said the kid doing this was
>>> using the computer to control the rig and saw it with his own eyes
>>> (not that he was impressed, just saying).
>>>
>>> Well, I was just now, screwing around with the DX Labs great program
>>> Commander, trying to figure out why I can't get Ham Radio Deluxe to
>>> control my Orion. I jerked the mouse wheel too fast on the VFO A
>>> window, and the Orion's VFO A tuned to 13.550 Mhz!??? WHAT? So I
>>> reached over to the rig, tried tuning the knob and nothing, like the
>>> lock was on. So I scrolled the mouse wheel, and VFO A tuned
>>> ANYWHERE, like a general coverage RX! The lowest the rig will tune
>>> when on 10 meters is 27.990 Mhz, so I used the mouse and tuned to
>>> 27.500 Mhz (I'm not familiar with the 11m channels, nor do I care).
>>> I put the rig into AM, turned the power all the way down, and tapped
>>> my PTT switch. The frequency counter in my auto antenna tuner
>>> indicated I was transmitting on 27.500 Mhz with 4.6 watts (INTO A
>>> DUMMY LOAD).
>>>
>>> It doesn't seem to TX in CW, but I'm not willing to keep screwing
>>> around to find else where or how it'll TX! I can't afford to fix it
>>> if I break it, and I was scared there was a possibility of burning
>>> up a filter or something, so I didn't want to try this again, but I

>>> did want to share this.
>>>
>>> What do you guys think? Is this well known? Yes, VFO A, not the sub
>>> RX, and it IS transmitting anywhere! I have the Main TX/RX set to
>>> antenna 1, and VFO A is set for TX and RX. I could upload a pic if
>>> there's doubt!
>>>
>>> I can care less about 11 meters, but, as long as the filtering isn't
>>> in danger from transmitting outta band, this has some promise for
>>> those in MARS and what ever TXing outta band is warranted!
>>>
>>> What are your thoughts? Is this a known "trick" (possibly a stupid
>>> one), or did I invent something that's going to get me outta debt?
>>> hi hi!
>>>
>>> *Thanks,
>>> K3DBG
>>> John D.
>>> Vice President for the Murgas Amateur Radio Club
>>> <http://www.murgasarc.org/>
>>> *
>>
>>
>>
>
>
>
>

11664. Orion II Vox

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-08 22:24:55 UTC
From: Bob Meadows
Topic: 11664 Message: 11664

I am using a Ten Tec Orion II that has several issues, but one that bugs me the most right now is the VOX system on this radio. It reminds me of using a Corsair or Corsair II back in the day. It's VOX was not very sensitive either. I have to set the VOX gain at 4 or 5 to get it to trip the PTT so I can talk. Is there a cure for this low gain on the VOX system on the radio?? I sure would like to know so I could bump the gain up a little so I don't have to use a mic. that has lot's of gain it's self. I would like to use my Shure 444D on this radio instead of my Turner +3 amplified mic.
Thanks, Bob W6MTM

11665. Re: [orion565] Orion II Vox

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-08 22:36:49 UTC
From: Bob McGraw K4TAX
Topic: 11664 Message: 11665

Yes, increase the hardware mike gain and then reduce the DSP MIC gain.
The signal for the VOX audio level is pre DSP MIC gain signal.

73

Bob, K4TAX

On 11/8/2016 4:24 PM, Bob Meadows wa6mtm@... [orion565] wrote:
>
> I am using a Ten Tec Orion II that has several issues, but one that
> bugs me the most right now is the VOX system on this radio. It reminds
> me of using a Corsair or Corsair II back in the day. It's VOX was not
> very sensitive either. I have to set the VOX gain at 4 or 5 to get it
> to trip the PTT so I can talk. Is there a cure for this low gain on
> the VOX system on the radio?? I sure would like to know so I could
> bump the gain up a little so I don't have to use a mic. that has lot's
> of gain it's self. I would like to use my Shure 444D on this radio
> instead of my Turner +3 amplified mic.
> Thanks, Bob W6MTM
>
>

11666. Re: [orion565] Orion II Vox

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-08 23:06:24 UTC
From: Bob Meadows
Topic: 11664 Message: 11666

Thanks again Bob. To bad you don't do repairs on these fine radios anymore. If you did, you would have another customer, ME...
Take care, Bob Meadows
++++++++++++++++++++++++++

On Tue, 11/8/16, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:

Subject: Re: [orion565] Orion II Vox
To: orion565@yahoogroups.com
Date: Tuesday, November 8, 2016, 2:36 PM

Yes, increase the hardware mike gain and then
reduce the DSP MIC
gain. The signal for the VOX audio level is pre
DSP MIC gain
signal.
73
Bob, K4TAX

On 11/8/2016 4:24 PM,
Bob Meadows
wa6mtm@...
[orion565] wrote:

I am using a Ten Tec Orion II that has
several issues,
but one that bugs me the most right now is the
VOX system
on this radio. It reminds me of using a
Corsair or Corsair
II back in the day. It's VOX was not very
sensitive
either. I have to set the VOX gain at 4 or 5
to get it to
trip the PTT so I can talk. Is there a cure
for this low
gain on the VOX system on the radio?? I sure
would like to
know so I could bump the gain up a little so I
don't have
to use a mic. that has lot's of gain
it's self. I would
like to use my Shure 444D on this radio
instead of my
Turner +3 amplified mic.

Thanks, Bob W6MTM

11667. Nov 14, just picked up my Orion from Ten Tec. The gov't contract is completed and they are now working on HAM RADIOS. Great service and very reasonable cost. George KB9QAA

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-15 02:15:07 UTC
From: George Keene
Topic: 11667 Message: 11667

[Body unavailable in the source archive]

11668. Re: [orion565] Nov 14, just picked up my Orion from Ten Tec. The gov't contract is completed and they are now working on HAM RADIOS. Great service and very reasonable cost. George KB9QAA

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-15 03:26:25 UTC
From: Bob McGraw K4TAX
Topic: 11667 Message: 11668

That's certainly good news!

73

Bob, K4TAX

On 11/14/2016 8:15 PM, George Keene gkeene85@... [orion565] wrote:

Re: [orion565] Nov 14, just picked up my Orion from Ten Tec. The gov't
contract is completed and they are now working on HAM RADIOS. Great
service and very reasonable cost.
George KB9QAA

>
>

11669. Re: [orion565] Nov 14, just picked up my Orion from Ten Tec. The gov't contract is completed and they are now working on HAM RADIOS. Great service and very reasonable cost. George KB9QAA

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-15 12:21:47 UTC
From: amfone
Topic: 11667 Message: 11669

On Tuesday, November 15, 2016 2:15 AM, "George Keene gkeene85@gmail.com [orion565]" <orion565@yahoogroups.com> wrote:

11670. Fwd: A Message from the Tentec President (Mike)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-22 01:55:20 UTC
From: Bob McGraw K4TAX
Topic: 11670 Message: 11670

-------- Forwarded Message --------
Subject: [TenTec_Eagle] A Message from the President (Mike)
Date: Mon, 21 Nov 2016 22:47:26 +0100
From: 'rick@...' Rick@... [TenTec_Eagle]
<TenTec_Eagle@yahoogroups.com>
Reply-To: TenTec_Eagle@yahoogroups.com
To: TenTec_Eagle@yahoogroups.com

Hello Eagle fans,

Mike sent this message to the contesting.com Ten-Tec group.
I don't know how many of you are in that group so I will post it again here
in case some of you did not receive it.

Mike is not a member of this group and he has asked some questions and
looking for some answers.
If you would like to answer to him concerning his topics, simply send an
email here with the title "Please forward to Mike."
I will collect them and make sure he receives them.

(I will not forward complaints or negative comments.)

Please join me in wishing Mike good luck in all of his endeavors.
When you read his post I'm sure you will all agree with me that he has
certainly earned an "A" for effort.

Here is his message:

Greetings Friends and Fellow Ten Tec Enthusiasts,

I wanted to update you on what is happening in Sevierville. The Smokey
Mountains are literally fogged in with smoke in some places as Tennessee has
many wild fires burning. I was there two weeks ago and have never
experienced anything like it. Driving down Jellico Mountain on I75 it became
literally IFR conditions with near zero visibility from the smoke. As some
of you know Ten Tec has been occupying office condominium space behind the
site of the former factory where now a Wal-Mart Express is sitting. This
site is not appropriate for our needs. Starting last week, we are moving
out of this location into a more industrial friendly space. Unfortunately
this location is not zoned for commercial walk in traffic, so the days of
someone showing up at the factory door unfortunately have come to an end.
After an entire year of searching for any possible opportunity to move, this
is all we have been able to come up with. Commercial real estate is
completely out of control in Sevierville county because of the tourist
industry, and unless we have about a half million dollars to invest in the
factory location you can just forget about it. Ten Tec is "too small" to

receive any incentive, tax breaks or help from the local so called "Economic Development" office.

My opinion is that the State and local government of Tennessee is about as economically unfriendly to a small business or start up business as is possible. For example, in other counties in TN the standard is to create 10 new jobs to get any incentive. Sevier County arbitrarily requires 25 jobs. By my calculations, 25 jobs would be around a million dollar pay roll if the jobs averaged 15 dollars an hour to the employee with a 25% more overhead to the employer. Any business having that kind of payroll better have about 10 million in gross receipts which would put it at DOUBLE the IRS definition of a small business and QUADRUPLE the IRS definition of a micro business, so it is obvious that the economic development offices do not have any mandate whatsoever to support or help ANY small business reason the scale of an individual person's finances. The fact that Ten Tec must have contributed millions of tax dollars to the local economy over the last 50 years means nothing. In many states, these economic development offices are partially funded by the local Chamber of Commerce. It is my opinion these offices function as intelligence gathering units to forewarn their members of any possible competitor entering their area. If small business is truly the economic growth engine of the United States it is apparent to me why we have growth problems if we depend on these organizations to help us as individuals.

It seems ironic that the company named TEN TEC for Tennessee Technologies can't get any assistance at all in Tennessee considering the state's advertising of their "Tennessee Technology Initiative".

If you are wondering why I wrote all this above it is to head off the endless string of expert recommendation that I contact TVA and the local economic development. I've done it and nobody is going to help Ten Tec in the State of Tennessee.

To get back on track, I stated above we are moving the remainder of this month. You all know what that means. Service will be slow this month. Robert decided not to have you send in radios this month so we wouldn't have to move them. There is no cause for alarm or speculation. Service will continue just as soon as we are moved.

I hear and read all kinds of gossip and complaints and this and that about our service, and none of it even close to accurate. We have serviced hundreds of radios this year and have a bunch of happy customers. You will see in the reflector some guy complaining or saying he is worried and then five people saying everything was fine. I'm so sick of it. Really it is so frustrating, especially when some of you call or write me up in Ohio about your twenty year old radio. I can't help you. I'm not in Tennessee. The people there run things and do their job essentially under Boyd's supervision. I don't want to sound condescending or aloof or unreasonable or unfriendly but please see this from my perspective. There are thousands of you and one of me. I am responsible to run this company and pay the people who work here whose families depend on me. I am an electrical engineer and

my time needs to be spent getting the new products developed and out the door, not with a dial string for your old thing that I neither sold you or received any benefit of selling to you. Can you directly call the president of Icom? Does Eric answer the telephone when you call Elecraft? It is just not possible for me to answer every email and every telephone call about service issues. If you call me at Dishtronix and leave a message asking me to call you about your Ten Tec I'm not returning your call. If I answer I'm going to tell you we have put up the procedure that you email service@.... Yes, I have a telephone at Ten Tec and no, you can't have it.

We are short staffed because we do not have sales volume at this time to support a large overhead. This way, Robert can go through all of the email and respond at one time in the morning, then spend the rest of the day shipping radios and parts orders without being interrupted. He is there three days a week, so you don't get answers on Monday or Friday. Sure, I know some of you don't like it. There is no need to tell me about it. I don't like it either, but until we start having a lot more cash flow that is the way it is going to have to be. For those that complain about how long it is taking, please understand this is a million dollar endeavor and money like that just doesn't grow on trees, at least for me. Of course any of you wealthy gentlemen looking for a good cause to donate some money to - I would love to have the cash on hand to turn things around tomorrow. Until then I'll be working 16 hours a day seven days a week with no days off and scrimp and save and spend carefully and build up slowly just like every other hard working guy has to do.

What I am going to try to do next is set up sort of an email hotline for critical cases with Bob if he will do it. I just thought of this and have to talk to him about this.

OK, enough about that. Let's get on to some better stuff. Many of you know that under RFC and RKR Ten Tec quit doing their PCB assembly in house. Those of you who have known me over the decades at Dishtronix know my shop suffered heating issues that made it tough for the machinery to run in the end of January to February arctic blasts. Well, I have a new and very nice double insulated, heated and cooled free span metal building where I've moved my PCB assembly operation and this is something I'm very excited about. The building has a metal skin totally covering the inside with good overhead fluorescent lighting and conduit encased electrical outlets every 12 feet around the perimeter. I have retired the older Contact Systems placement machines in favor of newer MYDATA (Micronics Sweden) placement machines. I installed the first MY9 machine this last June and have been using it to build boards for the RX340 commercial orders we have been fulfilling. Ten Tec did have a MY9 when they were building boards in house. The MYDATA machines are the choice for high mix medium volume production, especially when equipped with the Agilis quick change feeder system. Feeders usually cost more than the machines in this business, and I've been growing my collection all year. I am about a third of the way to having the collection of feeders I would like to have.

Earlier this month I got lucky and was able to purchase the bar code software which will allow me to load and unload components from the machine by just scanning with the barcode reader, and it is done off line. It will help with inventory control and component management which is a real nightmare considering Ten Tec has over 7000 different line items.

TheMY9 machine has a capability to hold up to 96 different components and has a single mounting head. As I write this, an air ride big rig is getting closer and closer to Ohio, hauling a MY19 machine in from San Francisco which can hold an additional 160 different components (total 256 8 mm tapes) and has 8 mounting heads! Hopefully this machine will be brought online successfully and not be damaged or in bad shape as I've bought it sight unseen. I've also moved the 8 zone, lead free capable, pin chain conveyor equipped Electrovert Bravo 8105 oven to the new building last weekend. This gives us the capability to process double sided surface mount and the ability to reliably process BGA chips. I've also purchased this summer but not yet installed an X ray machine to do 100% inspection of the BGA reflow soldering process. With the existing equipment (stencil printers, board washers, etc.) this will give us what I believe is the most well equipped and modern PCB manufacturing of any amateur radio manufacturer in North America. I believe the other guys outsource their board assembly. It may be the smart thing to do, but I personally prefer to buy and house my own components in house and to have total control over my assembly process. I find it requires more time to outsource and get constant bids for things like this than to just own the equipment and do it myself. I think you get a better product at less cost.

Of course the best reason in my opinion for doing it all in house is I can do as small of a production run as I want, IF I am willing to spend the time to set up and do it. Hence the decision for the quick change capability of the MYDATA system.

So, all in all what this means is the Phoenix is rising. I am rebuilding Ten Tec and preparing to do some serious manufacturing, which brings me to my next point.

Most of you know we have been bogged down and overwhelmed with the commercial side of our business this last year since I officially assumed the helm in January. With trying to replenish the hard to get / long lead time / last time buy / obsolete parts, rebuild the PCB assembly operations, moving, and so on we just haven't had the horsepower to build any amateur transceivers. Well, the good news is we have caught up on our commercial contracts. Be glad we did this. You know all the stuff I wrote about above? The commercial contracts paid for that. Without this TEN TEC would not exist right now. We are at a very important cross roads right now. What do we do next?

Some of you know we are developing new products. Those are still off on the horizon. What I need to know is how many of you would purchase Eagles if they were available? I'd like to do a run of 100 of them next. It is a great radio. I like mine every bit as well as my Orion II. The DSP function is superb. We have to talk a little bit about price. When the

Eagle was launched it was a $2100 radio with no accessories. You all know the story of the blow out sales and the liquidation as the previous owners sold everything that wasn't nailed down on their way out. Some of you got fully loaded radios for $1299 or whatever. You know they didn't even cover their assembly cost on that, right? Some of you got real bargains. Of course only the last 35 radios or something were sold at that price but you get the point. You will never see a price like that again. If I have to sell an Eagle at that I will close and lock the doors and be done with it. A strip model needs to sell at 1699 at least. The more you are willing to pay for a radio the faster the new radios can come out. We want to build radios and sell them so we can keep the production team in place so we can meet the demand when the new radios come out. Everything we do tomorrow depends on how much you support us today.

I'm certain some of you have heard that I and two partners acquired Alpha and that I've been officially at the Helm since August. It is a separate company from Dishtronix / TEN TEC. Of course I will be building the circuit boards for those products as well. I'm after something business people call economy of scale, essentially having enough product flow through the doors to totally occupy the machines and infrastructure. I'll be making a post on that reflector as well to update those customers also.

By the way, we do have RX340s available to build on short notice now. Let me close by wishing you all a Happy and Safe Thanksgiving holiday, one of my favorites and of course the reason I see my dentist in November for my pre-feast tune up.

The Sevierville team and I appreciate your support for TenTec, where we believe we are once again Making America Great - One Radio at a Time.

VY73 DE MIKE N8WFF
==========

Thank you for the update, Mike.
Happy Turkey.
If you have any left-over's please ship across the pond!

73
Rick, DJ0IP
Group Moderator

11671. Thanks for the message relay!

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-22 23:09:30 UTC
From: k1fpv@...
Topic: 11671 Message: 11671

Thank you Bob! I have an Eagle I was fortunate enough to pick up second hand. I come into the shack and wonder...hmmmm...The eagle, no the Orion II....no the Argo VI with the 418 amp. They all are great rigs and I'm happy to own them. I'm a Ten-Teckie!

Keep up the good work!
Bill
K1FPV

11672. S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 19:45:08 UTC
From: amfone
Topic: 11672 Message: 11672

Hello
I have a Orion 1 and for some reason the S-meter is just barley moving on receive. On transmit it does not show the output power.If I run HRD the S-Meter will display on the software program, any ideas?
ThanksTim

11673. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 21:13:35 UTC
From: Bob McGraw K4TAX
Topic: 11672 Message: 11673

I'd start with a Master Reset including a RAM clear.

73

Bob, K4TAX

On 11/26/2016 1:45 PM, amfone amfone20000@... [orion565] wrote:
> Hello
>
> I have a Orion 1 and for some reason the S-meter is just barley moving
> on receive. On transmit it does not show the output power.
> If I run HRD the S-Meter will display on the software program, any ideas?
>
> Thanks
> Tim
>

11674. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 21:15:15 UTC
From: amfone
Topic: 11672 Message: 11674

master reset will have too find how to do that again..... where do I look.
Thanks Tim

On Saturday, November 26, 2016 9:13 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

  I'd start with a Master Reset including a RAM clear. 73 Bob, K4TAX

On 11/26/2016 1:45 PM, amfone amfone20000@... [orion565] wrote:

    Hello
I have a Orion 1 and for some reason the S-meter is just barley moving on receive. On transmit it does not show the output power. If I run HRD the S-Meter will display on the software program, any ideas?
Thanks Tim

11675. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 21:20:59 UTC
From: Bob McGraw K4TAX
Topic: 11672 Message: 11675

To perform a master reset, turn transceiver power off. Press and hold the MAIN RX/TX button in the ANT 1 column on the far left side of the radio (this button is described as number 2 in Chapter 2 of this manual). Turn transceiver power on, and continue to hold the MAIN RX/TX button in the ANT 1 column until the message “Master Reset Complete” appears on the bottom of the radio screen. This should take about 5 seconds after turning radio power on. A prompt will appear at the bottom of the screen reading “Clear User Settings?” The User Settings are the 200 VFO memories (see description of (49) and (52) VFO A>M and VFO B>M in Chapter 2) and the profile memories stored in the USER 1-4 locations (see (21) USER 1 and USER 2 in Chapter 2). Pressing YES by utilizing the AN button will clear out any previous user-entered data. Pressing NO by utilizing the RECALL button will restore ORION to default settings without disturbing the user memories. If you answer the “Clear User Settings?” prompt with YES, ORION will then bring up a prompt reading “Clear Filter Settings?” to the screen. These settings pertain to the centering of the optional 500 and 250 Hz crystal filters (See (FILTR) FILTER MENU in Chapter 3). If you have these filters installed and centered, you will probably want to answer NO to avoid repeating the process.

On 11/26/2016 3:15 PM, amfone amfone20000@... [orion565] wrote:
> master reset will have too find how to do that again..... where do I
> look.
>
> Thanks Tim
>
>
> On Saturday, November 26, 2016 9:13 PM, "Bob McGraw K4TAX
> RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:
>
>
> I'd start with a Master Reset including a RAM clear.
> 73
> Bob, K4TAX
>
> On 11/26/2016 1:45 PM, amfone amfone20000@...
> <mailto:amfone20000@...> [orion565] wrote:
>> Hello
>>
>> I have a Orion 1 and for some reason the S-meter is just barley
>> moving on receive. On transmit it does not show the output power.
>> If I run HRD the S-Meter will display on the software program, any ideas?
>>
>> Thanks

>> Tim
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>
>

11676. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 21:23:00 UTC
From: amfone
Topic: 11672 Message: 11676

Found it and did the master reset and it worked thanks very much.
TimWB8UHZ

On Saturday, November 26, 2016 9:21 PM, "Bob McGraw K4TAX RMcGraw@Blomand.net [orion565]" <orion565@yahoogroups.com> wrote:

To perform a master reset, turn transceiver power off. Press and hold the MAIN RX/TX button in the ANT 1 column on the far left side of the radio (this button is described as number 2 in Chapter 2 of this manual). Turn transceiver power on, and continue to hold the MAIN RX/TX button in the ANT 1 column until the message “Master Reset Complete” appears on the bottom of the radio screen. This should take about 5 seconds after turning radio power on. A prompt will appear at the bottom of the screen reading “Clear User Settings?” The User Settings are the 200 VFO memories (see description of (49) and (52) VFO A>M and VFO B>M in Chapter 2) and the profile memories stored in the USER 1-4 locations (see (21) USER 1 and USER 2 in Chapter 2). Pressing YES by utilizing the AN button will clear out any previous user-entered data. Pressing NO by utilizing the RECALL button will restore ORION to default settings without disturbing the user memories. If you answer the “Clear User Settings?” prompt with YES, ORION will then bring up a prompt reading “Clear Filter Settings?” to the screen. These settings pertain to the centering of the optional 500 and 250 Hz crystal filters (See (FILTR) FILTER MENU in Chapter 3). If you have these filters installed and centered, you will probably want to answer NO to avoid repeating the process.

On 11/26/2016 3:15 PM, amfone amfone20000@... [orion565] wrote:

master reset will have too find how to do that again..... where do I look.
Thanks Tim

On Saturday, November 26, 2016 9:13 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

I'd start with a Master Reset including a RAM clear. 73 Bob, K4TAX

On 11/26/2016 1:45 PM, amfone amfone20000@... [orion565] wrote:

Hello
I have a Orion 1 and for some reason the S-meter is just barley moving on receive. On transmit it does not show the output power. If I run HRD the S-Meter will display on the software program, any ideas?
Thanks Tim

11677. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 21:24:12 UTC
From: Bob McGraw K4TAX
Topic: 11672 Message: 11677

Glad it solved the problem for you.

73

Bob, K4TAX

On 11/26/2016 3:23 PM, amfone amfone20000@... [orion565] wrote:
> Found it and did the master reset and it worked thanks very much.
>
> Tim
> WB8UHZ
>
>
> On Saturday, November 26, 2016 9:21 PM, "Bob McGraw K4TAX
> RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:
>
>
> To perform a master reset, turn transceiver power off. Press and hold
> the MAIN RX/TX button in the ANT 1 column on the far left side of the
> radio (this button is described as number 2 in Chapter 2 of this
> manual). Turn transceiver power on, and continue to hold the MAIN
> RX/TX button in the ANT 1 column until the message “Master Reset
> Complete” appears on the bottom of the radio screen. This should take
> about 5 seconds after turning radio power on. A prompt will appear at
> the bottom of the screen reading “Clear User Settings?” The User
> Settings are the 200 VFO memories (see description of (49) and (52)
> VFO A>M and VFO B>M in Chapter 2) and the profile memories stored in
> the USER 1-4 locations (see (21) USER 1 and USER 2 in Chapter 2).
> Pressing YES by utilizing the AN button will clear out any previous
> user-entered data. Pressing NO by utilizing the RECALL button will
> restore ORION to default settings without disturbing the user
> memories. If you answer the “Clear User Settings?” prompt with YES,
> ORION will then bring up a prompt reading “Clear Filter Settings?” to
> the screen. These settings pertain to the centering of the optional
> 500 and 250 Hz crystal filters (See (FILTR) FILTER MENU in Chapter
> 3). If you have these filters installed and centered, you will
> probably want to answer NO to avoid repeating the process.
>
>
>
> On 11/26/2016 3:15 PM, amfone amfone20000@...
> <mailto:amfone20000@...> [orion565] wrote:
>> master reset will have too find how to do that again..... where do I
>> look.
>>
>> Thanks Tim

>>
>>
>> On Saturday, November 26, 2016 9:13 PM, "Bob McGraw K4TAX
>> RMcGraw@... <mailto:RMcGraw@...> [orion565]"
>> <orion565@yahoogroups.com> <mailto:orion565@yahoogroups.com> wrote:
>>
>>
>> I'd start with a Master Reset including a RAM clear.
>> 73
>> Bob, K4TAX
>>
>> On 11/26/2016 1:45 PM, amfone amfone20000@...
>> <mailto:amfone20000@...> [orion565] wrote:
>>> Hello
>>>
>>> I have a Orion 1 and for some reason the S-meter is just barley
>>> moving on receive. On transmit it does not show the output power.
>>> If I run HRD the S-Meter will display on the software program, any
>>> ideas?
>>>
>>> Thanks
>>> Tim
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11678. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 21:27:33 UTC
From: amfone
Topic: 11672 Message: 11678

Thanks Bob again.
Hey is TT up and running and making any repairs on the Orion now? I want to keep this radio for ever.

On Saturday, November 26, 2016 9:24 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

  Glad it solved the problem for you. 73 Bob, K4TAX

On 11/26/2016 3:23 PM, amfone amfone20000@... [orion565] wrote:

  Found it and did the master reset and it worked thanks very much.
Tim WB8UHZ

On Saturday, November 26, 2016 9:21 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

  To perform a master reset, turn transceiver power off. Press and hold the MAIN RX/TX button in the ANT 1 column on the far left side of the radio (this button is described as number 2 in Chapter 2 of this manual). Turn transceiver power on, and continue to hold the MAIN RX/TX button in the ANT 1 column until the message “Master Reset Complete” appears on the bottom of the radio screen. This should take about 5 seconds after turning radio power on. A prompt will appear at the bottom of the screen reading “Clear User Settings?” The User Settings are the 200 VFO memories (see description of (49) and (52) VFO A>M and VFO B>M in Chapter 2) and the profile memories stored in the USER 1-4 locations (see (21) USER 1 and USER 2 in Chapter 2). Pressing YES by utilizing the AN button will clear out any previous user-entered data. Pressing NO by utilizing the RECALL button will restore ORION to default settings without disturbing the user memories. If you answer the “Clear User Settings?” prompt with YES, ORION will then bring up a prompt reading “Clear Filter Settings?” to the screen. These settings pertain to the centering of the optional 500 and 250 Hz crystal filters (See (FILTR) FILTER MENU in Chapter 3). If you have these filters installed and centered, you will probably want to answer NO to avoid repeating the process.

On 11/26/2016 3:15 PM, amfone amfone20000@... [orion565] wrote:

  master reset will have too find how to do that again..... where do I look.
Thanks Tim

On Saturday, November 26, 2016 9:13 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

  I'd start with a Master Reset including a RAM clear. 73 Bob, K4TAX

On 11/26/2016 1:45 PM, amfone amfone20000@yahoo.com [orion565] wrote:

    Hello
I have a Orion 1 and for some reason the S-meter is just barley moving on receive. On transmit it does not show the output power. If I run HRD the S-Meter will display on the

software program, any ideas?
Thanks Tim

11679. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 21:51:40 UTC
From: Bob McGraw K4TAX
Topic: 11672 Message: 11679

I'm not aware of the repair capability for the Orion. You'll need to contact Tentec Service. There's likely some critical parts issues.

Bob, K4TAX

Sent from my iPhone

> On Nov 26, 2016, at 3:27 PM, amfone amfone20000@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:
>
> Thanks Bob again.
>
> Hey is TT up and running and making any repairs on the Orion now? I want to keep this radio for ever.
>
>
> On Saturday, November 26, 2016 9:24 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> Glad it solved the problem for you.
> 73
> Bob, K4TAX
>
>
>> On 11/26/2016 3:23 PM, amfone amfone20000@... [orion565] wrote:
>>
>> Found it and did the master reset and it worked thanks very much.
>>
>> Tim
>> WB8UHZ
>>
>>
>> On Saturday, November 26, 2016 9:21 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:
>>
>>
>>
>> To perform a master reset, turn transceiver power off. Press and hold the MAIN RX/TX button in the ANT 1 column on the far left side of the radio (this button is described as number 2 in Chapter 2 of this manual). Turn transceiver power on, and continue to hold the MAIN RX/TX button in the ANT 1 column until the message “Master Reset Complete” appears on the bottom of the radio screen. This should take about 5 seconds after turning radio power on. A prompt will appear at the bottom of the screen reading “Clear User Settings?” The User Settings are the 200 VFO memories (see description of (49) and (52) VFO A>M and VFO

B>M in Chapter 2) and the profile memories stored in the USER 1-4 locations (see (21) USER 1 and USER 2 in Chapter 2). Pressing YES by utilizing the AN button will clear out any previous user-entered data. Pressing NO by utilizing the RECALL button will restore ORION to default settings without disturbing the user memories. If you answer the “Clear User Settings?” prompt with YES, ORION will then bring up a prompt reading “Clear Filter Settings?” to the screen. These settings pertain to the centering of the optional 500 and 250 Hz crystal filters (See (FILTR) FILTER MENU in Chapter 3). If you have these filters installed and centered, you will probably want to answer NO to avoid repeating the process.
>>
>>
>>
>>> On 11/26/2016 3:15 PM, amfone amfone20000@yahoo.com [orion565] wrote:
>>>
>>> master reset will have too find how to do that again..... where do I look.
>>>
>>> Thanks Tim
>>>
>>>
>>> On Saturday, November 26, 2016 9:13 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:
>>>
>>>
>>>
>>> I'd start with a Master Reset including a RAM clear.
>>> 73
>>> Bob, K4TAX
>>>
>>>> On 11/26/2016 1:45 PM, amfone amfone20000@... [orion565] wrote:
>>>>
>>>> Hello
>>>>
>>>> I have a Orion 1 and for some reason the S-meter is just barley moving on receive. On transmit it does not show the output power.
>>>> If I run HRD the S-Meter will display on the software program, any ideas?
>>>>
>>>> Thanks
>>>> Tim
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11680. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 22:02:56 UTC
From: amfone
Topic: 11672 Message: 11680

OK Bob

Thanks.
Tim

On Saturday, November 26, 2016 9:51 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

I'm not aware of the repair capability for the Orion. You'll need to contact Tentec Service. There's likely some critical parts issues.

Bob, K4TAX

Sent from my iPhone

On Nov 26, 2016, at 3:27 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

Thanks Bob again.
Hey is TT up and running and making any repairs on the Orion now? I want to keep this radio for ever.

On Saturday, November 26, 2016 9:24 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

Glad it solved the problem for you. 73 Bob, K4TAX

On 11/26/2016 3:23 PM, amfone amfone20000@... [orion565] wrote:

Found it and did the master reset and it worked thanks very much.
Tim WB8UHZ

On Saturday, November 26, 2016 9:21 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

To perform a master reset, turn transceiver power off. Press and hold the MAIN RX/TX button in the ANT 1 column on the far left side of the radio (this button is described as number 2 in Chapter 2 of this manual). Turn transceiver power on, and continue to hold the MAIN RX/TX button in the ANT 1 column until the message “Master Reset Complete” appears on the bottom of the radio screen. This should take about 5 seconds after turning radio power on. A prompt will appear at the bottom of the screen reading “Clear User Settings?” The User Settings are the 200 VFO memories (see description of (49) and (52) VFO A>M and VFO B>M in Chapter 2) and the profile memories stored in the USER 1-4 locations (see (21) USER 1 and USER 2 in Chapter 2). Pressing YES by utilizing the AN button will clear out any previous user-entered data. Pressing NO by utilizing the RECALL button will restore ORION to default settings without disturbing the user memories. If you answer the “Clear User Settings?” prompt with YES, ORION will then bring up a prompt reading “Clear Filter Settings?” to the screen. These settings pertain to the centering of the optional 500 and

250 Hz crystal filters (See (FILTR) FILTER MENU in Chapter 3). If you have these filters installed and centered, you will probably want to answer NO to avoid repeating the process.

On 11/26/2016 3:15 PM, amfone amfone20000@... [orion565] wrote:

  master reset will have too find how to do that again..... where do I look.
Thanks Tim

On Saturday, November 26, 2016 9:13 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

  I'd start with a Master Reset including a RAM clear. 73 Bob, K4TAX

On 11/26/2016 1:45 PM, amfone amfone20000@... [orion565] wrote:

    Hello
I have a Orion 1 and for some reason the S-meter is just barley moving on receive. On transmit it does not show the output power. If I run HRD the S-Meter will display on the software program, any ideas?
Thanks Tim

11681. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 22:19:22 UTC
From: Bob McGraw K4TAX
Topic: 11672 Message: 11681

I purchased an Orion described as a "parts radio". Most of the issues were the results of others trying and failing to repair the radio. One issue was an IC being installed backwards. Another was several instances of and wrong choice/substitution of diodes. Also I've had to make many physical repairs to several PC boards. Lifted and missing traces. I have LOTS of hours invested. Will never recover the value of my time. While it does Tx and Rx, the 2nd Rx is dead and the ATU has issues. Took it on as a personal project. I wouldn't advise it for anyone to attempt the same.

Bob, K4TAX

Sent from my iPhone

> On Nov 26, 2016, at 4:02 PM, amfone amfone20000@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:
>
> OK Bob
>
> Thanks.
>
> Tim
>
>
> On Saturday, November 26, 2016 9:51 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> I'm not aware of the repair capability for the Orion. You'll need to contact Tentec Service. There's likely some critical parts issues.
>
> Bob, K4TAX
>
>
> Sent from my iPhone
>
>
>
>> On Nov 26, 2016, at 3:27 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>>
>> Thanks Bob again.
>>
>> Hey is TT up and running and making any repairs on the Orion now? I want to keep this radio for ever.
>>

>>
>> On Saturday, November 26, 2016 9:24 PM, "Bob McGraw K4TAX RMcGraw@Blomand.net [orion565]" <orion565@yahoogroups.com> wrote:
>>
>>
>>
>> Glad it solved the problem for you.
>> 73
>> Bob, K4TAX
>>
>>
>>> On 11/26/2016 3:23 PM, amfone amfone20000@... [orion565] wrote:
>>>
>>> Found it and did the master reset and it worked thanks very much.
>>>
>>> Tim
>>> WB8UHZ
>>>
>>>
>>> On Saturday, November 26, 2016 9:21 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:
>>>
>>>
>>>
>>> To perform a master reset, turn transceiver power off. Press and hold the MAIN RX/TX button in the ANT 1 column on the far left side of the radio (this button is described as number 2 in Chapter 2 of this manual). Turn transceiver power on, and continue to hold the MAIN RX/TX button in the ANT 1 column until the message “Master Reset Complete” appears on the bottom of the radio screen. This should take about 5 seconds after turning radio power on. A prompt will appear at the bottom of the screen reading “Clear User Settings?” The User Settings are the 200 VFO memories (see description of (49) and (52) VFO A>M and VFO B>M in Chapter 2) and the profile memories stored in the USER 1-4 locations (see (21) USER 1 and USER 2 in Chapter 2). Pressing YES by utilizing the AN button will clear out any previous user-entered data. Pressing NO by utilizing the RECALL button will restore ORION to default settings without disturbing the user memories. If you answer the “Clear User Settings?” prompt with YES, ORION will then bring up a prompt reading “Clear Filter Settings?” to the screen. These settings pertain to the centering of the optional 500 and 250 Hz crystal filters (See (FILTR) FILTER MENU in Chapter 3). If you have these filters installed and centered, you will probably want to answer NO to avoid repeating the process.
>>>
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>>>> On 11/26/2016 3:15 PM, amfone amfone20000@... [orion565] wrote:
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>>>> master reset will have too find how to do that again..... where do I look.
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>>>> Thanks Tim
>>>>
>>>>
>>>> On Saturday, November 26, 2016 9:13 PM, "Bob McGraw K4TAX RMcGraw@Blomand.net

[orion565]" <orion565@yahoogroups.com> wrote:
>>>>
>>>>
>>>>
>>>> I'd start with a Master Reset including a RAM clear.
>>>> 73
>>>> Bob, K4TAX
>>>>
>>>>> On 11/26/2016 1:45 PM, amfone amfone20000@... [orion565] wrote:
>>>>>
>>>>> Hello
>>>>>
>>>>> I have a Orion 1 and for some reason the S-meter is just barley moving on receive. On transmit it does not show the output power.
>>>>> If I run HRD the S-Meter will display on the software program, any ideas?
>>>>>
>>>>> Thanks
>>>>> Tim
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11682. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 22:21:55 UTC
From: amfone
Topic: 11672 Message: 11682

Yes its beyond me and if TT is not repairing which I am not sure about I wonder and would hope if a third party is available to repair.
Tim

On Saturday, November 26, 2016 10:19 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

  I purchased an Orion described as a "parts radio". Most of the issues were the results of others trying and failing to repair the radio. One issue was an IC being installed backwards. Another was several instances of and wrong choice/substitution of diodes. Also I've had to make many physical repairs to several PC boards. Lifted and missing traces. I have LOTS of hours invested. Will never recover the value of my time. While it does Tx and Rx, the 2nd Rx is dead and the ATU has issues. Took it on as a personal project. I wouldn't advise it for anyone to attempt the same.

Bob, K4TAX

Sent from my iPhone
On Nov 26, 2016, at 4:02 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

  OK Bob

Thanks.
Tim

On Saturday, November 26, 2016 9:51 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

  I'm not aware of the repair capability for the Orion. You'll need to contact Tentec Service. There's likely some critical parts issues.

Bob, K4TAX

Sent from my iPhone

On Nov 26, 2016, at 3:27 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

  Thanks Bob again.
Hey is TT up and running and making any repairs on the Orion now? I want to keep this radio for ever.

On Saturday, November 26, 2016 9:24 PM, "Bob McGraw K4TAX RMcGraw@Blomand.net [orion565]" <orion565@yahoogroups.com> wrote:

  Glad it solved the problem for you. 73 Bob, K4TAX

On 11/26/2016 3:23 PM, amfone amfone20000@... [orion565] wrote:

Found it and did the master reset and it worked thanks very much.
Tim WB8UHZ

On Saturday, November 26, 2016 9:21 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

To perform a master reset, turn transceiver power off. Press and hold the MAIN RX/TX button in the ANT 1 column on the far left side of the radio (this button is described as number 2 in Chapter 2 of this manual). Turn transceiver power on, and continue to hold the MAIN RX/TX button in the ANT 1 column until the message “Master Reset Complete” appears on the bottom of the radio screen. This should take about 5 seconds after turning radio power on. A prompt will appear at the bottom of the screen reading “Clear User Settings?” The User Settings are the 200 VFO memories (see description of (49) and (52) VFO A>M and VFO B>M in Chapter 2) and the profile memories stored in the USER 1-4 locations (see (21) USER 1 and USER 2 in Chapter 2). Pressing YES by utilizing the AN button will clear out any previous user-entered data. Pressing NO by utilizing the RECALL button will restore ORION to default settings without disturbing the user memories. If you answer the “Clear User Settings?” prompt with YES, ORION will then bring up a prompt reading “Clear Filter Settings?” to the screen. These settings pertain to the centering of the optional 500 and 250 Hz crystal filters (See (FILTR) FILTER MENU in Chapter 3). If you have these filters installed and centered, you will probably want to answer NO to avoid repeating the process.

On 11/26/2016 3:15 PM, amfone amfone20000@yahoo.com [orion565] wrote:

master reset will have too find how to do that again..... where do I look.
Thanks Tim

On Saturday, November 26, 2016 9:13 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

I'd start with a Master Reset including a RAM clear. 73 Bob, K4TAX

On 11/26/2016 1:45 PM, amfone amfone20000@... [orion565] wrote:

Hello
I have a Orion 1 and for some reason the S-meter is just barley moving on receive. On transmit it does not show the output power. If I run HRD the S-Meter will display on the software program, any ideas?
Thanks Tim

11683. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 22:40:15 UTC
From: Bob McGraw K4TAX
Topic: 11672 Message: 11683

Some parts are not to be found. A couple of IC's, if failed, would cost over $200 each. No PC boards other than from a parts radio. I speculate the labor cost would be a killer. I could see a repair of $1K easy. Is the radio worth it? Nope.

Other than a challenge as I took on, if it fails, use the radio to chock the wheel of the truck to keep it from rolling down the hill.

Bob, K4TAX

Sent from my iPhone

> On Nov 26, 2016, at 4:21 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Yes its beyond me and if TT is not repairing which I am not sure about I wonder and would hope if a third party is available to repair.
>
> Tim
>
>
> On Saturday, November 26, 2016 10:19 PM, "Bob McGraw K4TAX RMcGraw@Blomand.net [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> I purchased an Orion described as a "parts radio". Most of the issues were the results of others trying and failing to repair the radio. One issue was an IC being installed backwards. Another was several instances of and wrong choice/substitution of diodes. Also I've had to make many physical repairs to several PC boards. Lifted and missing traces. I have LOTS of hours invested. Will never recover the value of my time. While it does Tx and Rx, the 2nd Rx is dead and the ATU has issues. Took it on as a personal project. I wouldn't advise it for anyone to attempt the same.
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> Bob, K4TAX
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> Sent from my iPhone
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>> On Nov 26, 2016, at 4:02 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>>
>> OK Bob
>>
>> Thanks.
>>

>> Tim
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>> On Saturday, November 26, 2016 9:51 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:
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11684. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 22:51:33 UTC
From: amfone
Topic: 11672 Message: 11684

Well the S-meter is not working again. Did the master reset and it worked but then it stopped and did the MR again but still not working.
Tim

On Saturday, November 26, 2016 10:43 PM, "Bob McGraw K4TAX RMcGraw@Blomand.net [orion565]" <orion565@yahoogroups.com> wrote:

Some parts are not to be found. A couple of IC's, if failed, would cost over $200 each. No PC boards other than from a parts radio. I speculate the labor cost would be a killer. I could see a repair of $1K easy. Is the radio worth it? Nope.
Other than a challenge as I took on, if it fails, use the radio to chock the wheel of the truck to keep it from rolling down the hill.

Bob, K4TAX

Sent from my iPhone
On Nov 26, 2016, at 4:21 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

Yes its beyond me and if TT is not repairing which I am not sure about I wonder and would hope if a third party is available to repair.
Tim

On Saturday, November 26, 2016 10:19 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

I purchased an Orion described as a "parts radio". Most of the issues were the results of others trying and failing to repair the radio. One issue was an IC being installed backwards. Another was several instances of and wrong choice/substitution of diodes. Also I've had to make many physical repairs to several PC boards. Lifted and missing traces. I have LOTS of hours invested. Will never recover the value of my time. While it does Tx and Rx, the 2nd Rx is dead and the ATU has issues. Took it on as a personal project. I wouldn't advise it for anyone to attempt the same.

Bob, K4TAX

Sent from my iPhone
On Nov 26, 2016, at 4:02 PM, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

OK Bob

Thanks.
Tim

On Saturday, November 26, 2016 9:51 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

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I'd start with a Master Reset including a RAM clear. 73 Bob, K4TAX

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Hello
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Thanks Tim

11685. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 23:18:41 UTC
From: Bob McGraw K4TAX
Topic: 11672 Message: 11685

Are you running the radio under computer control? Could be the control
program causing the issue.

73

Bob, K4TAX

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11686. Re: [orion565] S-meter not working

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-26 23:50:34 UTC
From: amfone
Topic: 11672 Message: 11686

Yep that is about it and only 13 years old too. Dang.

On Saturday, November 26, 2016 11:18 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

Are you running the radio under computer control? Could be the control program causing the issue. 73 Bob, K4TAX

On 11/26/2016 4:51 PM, amfone amfone20000@yahoo.com [orion565] wrote:

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Thanks Tim

11687. Programming (triggering) the SEND function

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-28 16:20:57 UTC
From: Eric Rosenberg
Topic: 11687 Message: 11687

I posted this on tente@... and didn't receive an answer.

Does anyone else on this list know the answer:

I've just come across "Key Your Transceiver DVR Messages from the Keyboard" by N6EE and N6ML. http://n6ee.net84.net/Articles/Key.pdf

This document explains in, detail, how to program these two software packages to trigger your radio's internal DVR. In the Orion's case it's SEND1, SEND2 and SEND3.

Examples are given for the K3 and references are made to Kenwood and Yaesu radios.

I'd like to try this with my Orion 565, but am not a programmer. Can anyone help?

73 & Thanks,

Eric W3DQ

11688. Re: [orion565] Programming (triggering) the SEND function

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-28 16:29:00 UTC
From: Barry N1EU
Topic: 11687 Message: 11688

I don't see an appropriate command in the Orion v1.2 Programmer's Reference manual so I doubt it's possible.

73, Barry N1EU

On Mon, Nov 28, 2016 at 11:20 AM, Eric Rosenberg ericrosenberg.dc@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I posted this on tente@... and didn't receive an answer.
>
> Does anyone else on this list know the answer:
>
> I've just come across "Key Your Transceiver DVR Messages from the
> Keyboard" by N6EE and N6ML. http://n6ee.net84.net/Articles/Key.pdf
>
> This document explains in, detail, how to program these two software
> packages to trigger your radio's internal DVR. In the Orion's case it's
> SEND1, SEND2 and SEND3.
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> Examples are given for the K3 and references are made to Kenwood and Yaesu
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> I'd like to try this with my Orion 565, but am not a programmer. Can
> anyone help?
>
> 73 & Thanks,
>
> Eric W3DQ
>
>
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>

11689. FL2100B plus $ to swap for Centaur.

Yahoo group: orion565 (2014 — 2017)
Date: 2016-11-29 01:27:39 UTC
From: katz.ajamas@...
Topic: 11689 Message: 11689

I traded for a Yaesu FL2100B today. It looks pretty good for it's age. The FL2100B uses 2 x 572B tubes and has a 50Hz rated power transformer. It will run a solid 600W out all day long. It is NOT QSK and it does NOT cover 160m. Two features that I want in an amp. I'd like to swap it plus some cash for a Centaur. The Centaur does not have to have 10m or good tubes.

This FL2100B has not been used for a while so I plan to reform the caps and cook the Anodes a bit. If caps are leaky or tubes(old Cetron brand) don't make full output, I'll replace them.

The FL2100(B) has some notoriety over the low bias voltage not cutting off some brands of tube. There are two easy fixes. One adds a cap and diode to make a voltage doubler in the bias circuit. The other adds a relay to lift the center tap of the filament winding to float the Cathode. I'll be happy to make the doubler mod, add a 'glitch' resistor', put some protection on the meters, and add a transistor buffer for use with newer rigs. I'll do this if desired as part of a swap.

73, -Bob ah7i/w4

FL2100B manual is on BAMA

11690. POP in headset when radio is keyed

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-01 14:54:10 UTC
From: Bob Meadows
Topic: 11690 Message: 11690

Good morning group. I have an Orion II that when I unkey the radio whether using the microphone PTT or my hand held PPT button I get a nice rather loud pop in the ears. I don't hear this in the internal or external speaker. What do I need to correct this problem? Thanks to this group for solving or at least answering my queries.
Bob W6MTM
++++++++++

11691. Herc II Power supply - use with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-05 12:14:38 UTC
From: bkemp@...
Topic: 11691 Message: 11691

Is the 9420 Herc II power supply beefy enough to power my Orion? I am suspecting NO!
I believe that separate 20amp tap for TT rigs was for more like the Corsair II.
Although I do suspect that I could use the 9420 supply as I only run the rig at about 65 watts out to drive the amp ? BUT if I ever left the amp off and used the rig barefoot I might overload it?
Your thoughts please.
Bob

11692. Re: POP in headset when radio is keyed

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-05 12:29:38 UTC
From: bkemp@...
Topic: 11690 Message: 11692

Bob:
If you're monitoring your signal in your headset or just through your speaker...see if you get a popping while you are talking also? Ask for on the air reports. My Orion II as well as a friend of mines has/had a popping sound on voice peaks. I could make the rig do this just by blowing into the mic. ....like a faint pop, pop, pop, pop.
What it turned out to be was one of the IC's in the mic. amp circuitry that had to be replaced.. My friend has not had his repaired yet and I can hear it on his signal whenever he uses his Orion II!

11693. rubber tuning knob rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-05 13:14:53 UTC
From: bkemp@...
Topic: 11693 Message: 11693

I've got (2) deep blue tuning knob rings I'd like to swap for (2) black ones. Anyone want to cut a deal.?
Been trying to find out of TT will offer these again but seems like their website doesn't have any of these accessory items any longer!!
Bob

11694. Re: [orion565] rubber tuning knob rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-05 14:03:31 UTC
From: Bob McGraw K4TAX
Topic: 11693 Message: 11694

You will need to send an e-mail to SERVICE@.... Do inquire as to availability and price.

I find little to no current information available on the websites. They have not been updated in quite some time. Direct inquiry to SERVICE is the only way to get current and accurate info.

Bob, K4TAX

Sent from my iPhone

> On Dec 5, 2016, at 7:14 AM, bkemp@...m [orion565] <orion565@yahoogroups.com> wrote:
>
> I've got (2) deep blue tuning knob rings I'd like to swap for (2) black ones. Anyone want to cut a deal.?
>
> Been trying to find out of TT will offer these again but seems like their website doesn't have any of these accessory items any longer!!
>
> Bob
>
>

11695. Re: [orion565] Herc II Power supply - use with Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-05 14:15:51 UTC
From: Bob McGraw K4TAX
Topic: 11691 Message: 11695

It should handle the Orion with no issues.

Bob, K4TAX

Sent from my iPhone

> On Dec 5, 2016, at 6:14 AM, bkemp@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Is the 9420 Herc II power supply beefy enough to power my Orion? I am suspecting NO!
>
> I believe that separate 20amp tap for TT rigs was for more like the Corsair II.
>
> Although I do suspect that I could use the 9420 supply as I only run the rig at about 65 watts out to drive the amp ? BUT if I ever left the amp off and used the rig barefoot I might overload it?
> Your thoughts please.
> Bob
>
>

11696. TT Orion 2 info

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-06 23:05:21 UTC
From: Paolo Emanuelli
Topic: 11696 Message: 11696

hello folks

I write after reading many comments abt orion 1 and 2 here..
I'm undecided whether to buy a nice Ten Tec Orion 2 ...
I'm here to ask you some questions about where to find those parts which seem impossible to find the cone dragonball cpu ..... and possibly where to buy it and being careful what particular?
.... and what other parts are unavailable for this wonderful radio?
I am very curious if anyone has had problems with that chip now unavailable and had to throw the radio in the trash ....
From what I see, it seems to me that there are no such cases, or maybe I have not found the web ....
I know I should forget the orion, but no easy…
I know the display of orion 1 has the contrast problem….and the orion 2????
Can you help me, to know what risks I face if I buy that fabulous orion ?
I have already keep here in my shack a nice omni 7….
I own and i love…my old ten tec omni 5 still and forever in my shack!!!!
Thanks in advance

Paul IK1QHB

11697. RE: [orion565] rubber tuning knob rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-07 15:01:22 UTC
From: <bkemp@...>
Topic: 11693 Message: 11697

Bob:
Just a FYI....sent an email to Ten Tec on the 5th and no response as of yet.

Maybe this isn't out of the ordinary.

Bob

KEMP REAL ESTATE

108 E. Center

Lake City, MN 55041

?

email:? bkemp@...

website: www.bobkemp.com (http://www.bobkemp.com/)

?

Cell????651-764-4788

Office?651-345-5664

FAX????651-345-0152

?

?

?

?

?

-------- Original Message --------
Subject: Re: [orion565] rubber tuning knob rings
From: "Bob McGraw K4TAX RMcGraw@... [orion565]"
<orion565@yahoogroups.com>
Date: Mon, December 05, 2016 8:03 am
To: orion565@yahoogroups.com

?

You will need to send an e-mail to SERVICE@.... ? Do inquire as to availability and price.?

I find little to no current information available on the websites. ? They have not been updated in quite some time. ?Direct inquiry to SERVICE is the only way to get current and

accurate info.?

Bob, K4TAX

Sent from my iPhone

On Dec 5, 2016, at 7:14 AM, bkemp@... [orion565] <orion565@yahoogroups.com> wrote:

?

I've got (2) deep blue tuning knob rings I'd like to swap for (2) black ones. Anyone want to cut a deal.?

Been trying to find out of TT will offer these again but seems like their website doesn't have any of these accessory items any longer!!

Bob

11698. Re: [orion565] rubber tuning knob rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-07 15:27:41 UTC
From: Wayne Bethoney
Topic: 11693 Message: 11698

There is only one person replying to e-mails and only on certain days. Hang on. I sent in a request and am waiting to hear back as well.

Wayne

_____
From: orion565@yahoogroups.com <orion565@yahoogroups.com> on behalf of bkemp@...
[orion565] <orion565@yahoogroups.com>
Sent: Wednesday, December 7, 2016 10:01 AM
To: orion565@yahoogroups.com
Subject: RE: [orion565] rubber tuning knob rings

Bob:
Just a FYI....sent an email to Ten Tec on the 5th and no response as of yet.
Maybe this isn't out of the ordinary.
Bob

KEMP REAL ESTATE
108 E. Center
Lake City, MN 55041

email: bkemp@...<mailto:bkemp@...>
website: www.bobkemp.com<http://www.bobkemp.com/>

Cell 651-764-4788
Office 651-345-5664
FAX 651-345-0152

-------- Original Message --------
Subject: Re: [orion565] rubber tuning knob rings
From: "Bob McGraw K4TAX RMcGraw@...<mailto:RMcGraw@Blomand.net> [orion565]"
<orion565@yahoogroups.com<mailto:orion565@yahoogroups.com>>
Date: Mon, December 05, 2016 8:03 am
To: orion565@yahoogroups.com<mailto:orion565@yahoogroups.com>

You will need to send an e-mail to SERVICE@...<mailto:SERVICE@...>. Do inquire as to availability and price.

I find little to no current information available on the websites. They have not been updated in quite some time. Direct inquiry to SERVICE is the only way to get current and accurate info.

Bob, K4TAX

Sent from my iPhone

On Dec 5, 2016, at 7:14 AM, bkemp@...<mailto:bkemp@bobkemp.com> [orion565]
<orion565@yahoogroups.com<mailto:orion565@yahoogroups.com>> wrote:

I've got (2) deep blue tuning knob rings I'd like to swap for (2) black ones. Anyone want to cut a deal.?
Been trying to find out of TT will offer these again but seems like their website doesn't have any of these accessory items any longer!!
Bob

11699. Re: [orion565] rubber tuning knob rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-07 18:53:29 UTC
From: Bob McGraw K4TAX
Topic: 11693 Message: 11699

Bob et al;

As I understand, Robert Marine answers e-mails usually 1 day per week, but only as time permits. He has other duties and I understand that no one is otherwise assigned or dedicated to the chore on a full time or regular basis.

Plus I understand that a move into a new or different facility was to take place between Thanksgiving and the first part of December. I do not know if that move has been completed, nor how much interruption in service may have occurred.

73

Bob, K4TAX

On 12/7/2016 9:01 AM, bkemp@... [orion565] wrote:
>
> Bob:
> Just a FYI....sent an email to Ten Tec on the 5th and no response as
> of yet.
> Maybe this isn't out of the ordinary.
> Bob
>
> **
> **
> **
> **
> **
> **
> **
> **
> **
> *KEMP REAL ESTATE*
> 108 E. Center
> Lake City, MN 55041
> email: bkemp@... <mailto:bkemp@...>
> **
> website: www.bobkemp.com <http://www.bobkemp.com/>
> Cell 651-764-4788
> Office 651-345-5664
> FAX 651-345-0152
>
> -------- Original Message --------
> Subject: Re: [orion565] rubber tuning knob rings
> From: "Bob McGraw K4TAX RMcGraw@...

> <mailto:RMcGraw@...> [orion565]"
> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
> Date: Mon, December 05, 2016 8:03 am
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>
> You will need to send an e-mail to SERVICE@...
> <mailto:SERVICE@...>. Do inquire as to availability and
> price.
>
> I find little to no current information available on the websites.
> They have not been updated in quite some time. Direct inquiry
> to SERVICE is the only way to get current and accurate info.
>
> Bob, K4TAX
>
>
> Sent from my iPhone
>
> On Dec 5, 2016, at 7:14 AM, bkemp@...
> <mailto:bkemp@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
>> I've got (2) deep blue tuning knob rings I'd like to swap for (2)
>> black ones. Anyone want to cut a deal.?
>> Been trying to find out of TT will offer these again but seems
>> like their website doesn't have any of these accessory items any
>> longer!!
>> Bob
>
>

11700. Re: [orion565] rubber tuning knob rings

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-08 03:36:24 UTC
From: Steven Hammond
Topic: 11693 Message: 11700

I have a BLACK and WHITE pair if you are interested.

Steven Hammond
KY5M
> On Dec 7, 2016, at 12:53 PM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Bob et al;
>
> As I understand, Robert Marine answers e-mails usually 1 day per week, but only as time permits. He has other duties and I understand that no one is otherwise assigned or dedicated to the chore on a full time or regular basis.
>
> Plus I understand that a move into a new or different facility was to take place between Thanksgiving and the first part of December. I do not know if that move has been completed, nor how much interruption in service may have occurred.
>
> 73
>
> Bob, K4TAX
>
>
> On 12/7/2016 9:01 AM, bkemp@bobkemp.com <mailto:bkemp@...> [orion565] wrote:
>>
>>
>> Bob:
>> Just a FYI....sent an email to Ten Tec on the 5th and no response as of yet.
>> Maybe this isn't out of the ordinary.
>> Bob
>>
>> KEMP REAL ESTATE
>> 108 E. Center
>> Lake City, MN 55041
>>
>> email: bkemp@... <mailto:bkemp@...>
>> website: www.bobkemp.com <http://www.bobkemp.com/>
>>
>> Cell 651-764-4788
>> Office 651-345-5664
>> FAX 651-345-0152
>>
>>
>>
>>

>>
>> -------- Original Message --------
>> Subject: Re: [orion565] rubber tuning knob rings
>> From: "Bob McGraw K4TAX RMcGraw@... <mailto:RMcGraw@...> [orion565]"
>> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
>> Date: Mon, December 05, 2016 8:03 am
>> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>>
>>
>> You will need to send an e-mail to SERVICE@... <mailto:SERVICE@...>. Do inquire as to availability and price.
>>
>> I find little to no current information available on the websites. They have not been updated in quite some time. Direct inquiry to SERVICE is the only way to get current and accurate info.
>>
>> Bob, K4TAX
>>
>>
>> Sent from my iPhone
>>
>> On Dec 5, 2016, at 7:14 AM, bkemp@... <mailto:bkemp@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>>
>>>
>>> I've got (2) deep blue tuning knob rings I'd like to swap for (2) black ones. Anyone want to cut a deal.?
>>> Been trying to find out of TT will offer these again but seems like their website doesn't have any of these accessory items any longer!!
>>> Bob
>
>
>

11701. FS: Orion 1 Model 565 with all Filters

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-09 19:45:33 UTC
From: n3bjdx@...
Topic: 11701 Message: 11701

For Sale: Ten Tec Orion Model 565 in nice shape, works FB. Has all the filter slots filled with Ten Tec filters. I've been using it the last 3-4 days, mostly on CW and a couple of QSOs on SSB. Works very well, did the A/B with my K3 and they compare very closely on weak signals, heavy QRM, etc. No ATU installed. Bought this from the original owner a couple of years ago. There is a small bit of paint rubbed off on the corner of the top cover, otherwise nice. If you're interested, I can send pictures of the radio, inside and out. I changed out the Power Distribution caps a few months ago with premium Panasonic low ESR units, per the Ten Tec Wiki advice. I'll throw in a Ten Tec Model 709 mike with 8 to 4 pin adapter, too. Includes the original box and original manual. $900 shipped and insured in the US. PayPal or MO.

Alan, N3BJ

11702. Wanted: Z10000 buffer amp

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-10 20:40:14 UTC
From: Barry N1EU
Topic: 11702 Message: 11702

I realize this is a long shot but I thought I'd give a shout out and see whether anybody had a Clifton Labs Z10000 or Z10000B buffer amp board that is excess to their needs. This is typically used to create a 9MHz i.f. output tap from a Ten-Tec rig that is then fed into an external LP-PAN or SDR device to create a panadapter.

Alternately, if anybody has successfully used an alternative (Z10000 is no longer available) buffer amp, please email the info.

Thanks & 73,
Barry N1EU

11703. RE: [orion565] Wanted: Z10000 buffer amp

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-10 23:11:23 UTC
From: Torrey Mitchell
Topic: 11702 Message: 11703

Clifton Labs was acquired by DX Engineering after the founder’s demise.

DX Engineering is supposed to have production of the Z1000 and other Clifton products started “before the end of 2016”. Suggest you can them and see whether they are in production yet.

From the web site:

For decades, Clifton Laboratories has been at the leading edge of Ham Radio technology, making preamplifiers and filters with unparalleled performance characteristics. Now, that tradition of quality will continue under the DX Engineering brand. DX Engineering recently acquired exclusive rights to Clifton Laboratories’ Amateur Radio gear.

Each item’s part number, design specs, and impeccable quality remains the same—it will just be built by DX Engineering and carry the DX Engineering name. There are over a dozen Clifton Laboratories Amateur Radio products that will be manufactured, including several popular filters and preamplifiers. DX Engineering is also committed to offering parts and tech support for owners of Clifton Laboratories’ legacy products.

Fans of Elecraft’s K-series transceivers are very familiar with the Clifton name. The company has a series of filters, preamplifiers, adapters and other enhancement products tailored precisely to these well-liked HF radios. DX Engineering will ensure that this Elecraft-specific gear will be refined and supported.

Also included in the transition is Clifton Laboratories’ extensive range or RF filters, like its Z10020 medium wave band reject filter. Designed for Amateur Radio operators battling interference from strong or nearby AM broadcast band commercial radio signals, the Z10020 can deliver up to 80 dB of signal rejection.

DX Engineering is tooling up to begin production of Clifton Laboratories products, expect to see them by late 2016.

Visit DX Engineering online at DXEngineering.com <http://www.dxengineering.com> .

1-800-777-0703

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: December 10, 2016 14:40
To: Discussion of Ten-Tec Equipment <tentec@...>; Orion565 <orion565@yahoogroups.com>
Subject: [orion565] Wanted: Z10000 buffer amp

I realize this is a long shot but I thought I'd give a shout out and see whether anybody had a Clifton Labs Z10000 or Z10000B buffer amp board that is excess to their needs. This is typically used to create a 9MHz i.f. output tap from a Ten-Tec rig that is then fed into an external LP-PAN or SDR device to create a panadapter.

Alternately, if anybody has successfully used an alternative (Z10000 is no longer available) buffer amp, please email the info.

Thanks & 73,

Barry N1EU

11704. Need info. Must preplace Orion LCD panel.

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-11 00:42:03 UTC
From: kg6tt@...
Topic: 11704 Message: 11704

My 565 display has started loosing horizontal lines of display data (white lines only). I know I should be able to eventually buy a replacement display from Ten-Tec but as yet they have not answered my inquiry. Their cost will be pretty steep too, especially for a retired guy on a budget. I am, however, an expert technician, I'm just not familiar with the variances of these seemingly similar displays available thru other sources. Onno, PA1AP, shared one possible display currently available so I purchased two of them from NewHaven Display International:

NHD-320240WG-BxTGK-VZ#-3VR-C [597]

However he also mentioned that modifications will probably be necessary but was unable to supply any details. I know some of you have replaced your Orion's displays successfully in the past. Could you please share some details of how you handled your substitutions.

73,
Jerry, KG6TT

11705. Re: [orion565] Wanted: Z10000 buffer amp

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-11 12:12:57 UTC
From: Barry N1EU
Topic: 11702 Message: 11705

Thanks for the good news Torrey!

73, Barry N1EU

On Sat, Dec 10, 2016 at 11:11 PM, 'Torrey Mitchell' torreym@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Clifton Labs was acquired by DX Engineering after the founder’s demise.
>
> DX Engineering is supposed to have production of the Z1000 and other
> Clifton products started “before the end of 2016”. Suggest you can them
> and see whether they are in production yet.
>
>
>
> From the web site:
>
> For decades, Clifton Laboratories has been at the leading edge of Ham
> Radio technology, making preamplifiers and filters with unparalleled
> performance characteristics. Now, that tradition of quality will continue
> under the DX Engineering brand. DX Engineering recently acquired exclusive
> rights to Clifton Laboratories’ Amateur Radio gear.
>
> Each item’s part number, design specs, and impeccable quality remains the
> same—it will just be built by DX Engineering and carry the DX Engineering
> name. There are over a dozen Clifton Laboratories Amateur Radio products
> that will be manufactured, including several popular filters and
> preamplifiers. DX Engineering is also committed to offering parts and tech
> support for owners of Clifton Laboratories’ legacy products.
>
> Fans of Elecraft’s K-series transceivers are very familiar with the
> Clifton name. The company has a series of filters, preamplifiers, adapters
> and other enhancement products tailored precisely to these well-liked HF
> radios. DX Engineering will ensure that this Elecraft-specific gear will be
> refined and supported.
>
> Also included in the transition is Clifton Laboratories’ extensive range
> or RF filters, like its Z10020 medium wave band reject filter. Designed for
> Amateur Radio operators battling interference from strong or nearby AM
> broadcast band commercial radio signals, the Z10020 can deliver up to 80 dB
> of signal rejection.
>
> DX Engineering is tooling up to begin production of Clifton Laboratories
> products, expect to see them by late 2016.

>
> Visit DX Engineering online at DXEngineering.com
> <http://www.dxengineering.com>.
>
>
>
> *1-800-777-0703 <(800)%20777-0703>*
>
> 73 Torrey N9PY
>
>
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* December 10, 2016 14:40
> *To:* Discussion of Ten-Tec Equipment <tentec@...>; Orion565 <
> orion565@yahoogroups.com>
> *Subject:* [orion565] Wanted: Z10000 buffer amp
>
>
>
>
>
> I realize this is a long shot but I thought I'd give a shout out and see
> whether anybody had a Clifton Labs Z10000 or Z10000B buffer amp board that
> is excess to their needs. This is typically used to create a 9MHz i.f.
> output tap from a Ten-Tec rig that is then fed into an external LP-PAN or
> SDR device to create a panadapter.
>
> Alternately, if anybody has successfully used an alternative (Z10000 is no
> longer available) buffer amp, please email the info.
>
>
>
> Thanks & 73,
>
> Barry N1EU
>
>
>

11706. function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-11 22:10:54 UTC
From: Jim Warner
Topic: 11706 Message: 11706

Before embarking on a search, has someone already figured out the source
for replacements of the various function rotary encoders? (MULTI/PBT, etc)
tnx,
Jim WA9Z

11707. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-11 22:25:35 UTC
From: Barry N1EU
Topic: 11706 Message: 11707

This is the best info I currently know of:
http://tentecwiki.org/doku.php?id=565enc

However, I don't know of a "perfect" replacement part - an exact replacement is no longer available as far as I know. I have lately seen some Orions parted out and ridiculous prices asked for those small encoders. A year or two ago, Ten-Tec was quoting $10 per encoder, which I also thought exorbitant. The Bourns encoders mentioned on the wiki link are about a $2 part. However, the non-detented encoders are not available as far as I know.

But it's possible somebody out there knows more.

73, Barry N1EU

On Sun, Dec 11, 2016 at 10:10 PM, Jim Warner jim@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Before embarking on a search, has someone already figured out the source
> for replacements of the various function rotary encoders? (MULTI/PBT, etc)
> tnx,
> Jim WA9Z
>
>

11708. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-11 22:32:29 UTC
From: Bob McGraw K4TAX
Topic: 11706 Message: 11708

Just clean them as you would a carbon pot.

Bob, K4TAX

Sent from my iPhone

> On Dec 11, 2016, at 4:10 PM, Jim Warner jim@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Before embarking on a search, has someone already figured out the source
> for replacements of the various function rotary encoders? (MULTI/PBT, etc)
> tnx,
> Jim WA9Z
>

11709. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-11 23:11:56 UTC
From: Jim Warner
Topic: 11706 Message: 11709

Yes, but that won't eliminate the .015" of slop in the shafts.
tnx,
Jim WA9Z

On 12/11/2016 4:32 PM, Bob McGraw K4TAX RMcGraw@... [orion565]
wrote:
>
>
> Just clean them as you would a carbon pot.
>
> Bob, K4TAX
>
>
> Sent from my iPhone
>
> On Dec 11, 2016, at 4:10 PM, Jim Warner jim@...
> <mailto:jim@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
>>
>>
>> Before embarking on a search, has someone already figured out the source
>> for replacements of the various function rotary encoders? (MULTI/PBT, etc)
>> tnx,
>> Jim WA9Z
>>
>

11710. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-12 00:40:32 UTC
From: Bob McGraw K4TAX
Topic: 11706 Message: 11710

How does that affect operation? Is there that much rotational wear? If so likely the "O" ring should be replaced.

Bob, K4TAX

Sent from my iPhone

> On Dec 11, 2016, at 5:11 PM, Jim Warner jim@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Yes, but that won't eliminate the .015" of slop in the shafts.
> tnx,
> Jim WA9Z
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> On 12/11/2016 4:32 PM, Bob McGraw K4TAX RMcGraw@... [orion565]
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> > Bob, K4TAX
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> > Sent from my iPhone
> >
> > On Dec 11, 2016, at 4:10 PM, Jim Warner jim@exlinesignal.com
> > <mailto:jim@...> [orion565] <orion565@yahoogroups.com
> > <mailto:orion565@yahoogroups.com>> wrote:
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> >>
> >>
> >> Before embarking on a search, has someone already figured out the source
> >> for replacements of the various function rotary encoders? (MULTI/PBT, etc)
> >> tnx,
> >> Jim WA9Z
> >>
> >
>
>

11711. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-12 02:31:24 UTC
From: Bob McGraw K4TAX
Topic: 11706 Message: 11711

In general encoders are rotating segments acting like moving contacts. The inner ring of contacts is offset from the outer ring. There's 2 sets of spring contacts in common. The back side of the rotating contacts has a rubber composition "O" ring to maintain tension and provide centering.

Cleaning the fixed contacts and moving contacts, similar to cleaning a switch resolves the electrical issue. Replacing and lubricating the "O" ring restores centering and reduces shaft runout.

If physical damage has occurred, i.e. bent/broken shaft then replacement is the solution.

I've not found a source for encoders used by Tentec thus cleaning and repair is my solution.

Bob, K4TAX

Sent from my iPhone

> On Dec 11, 2016, at 6:40 PM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:
>
> How does that affect operation? Is there that much rotational wear? If so likely the "O" ring should be replaced.
>
> Bob, K4TAX
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> Sent from my iPhone
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>> On Dec 11, 2016, at 5:11 PM, Jim Warner jim@exlinesignal.com [orion565] <orion565@yahoogroups.com> wrote:
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>> Jim WA9Z
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>> On 12/11/2016 4:32 PM, Bob McGraw K4TAX RMcGraw@... [orion565]
>> wrote:
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>> >
>> > Just clean them as you would a carbon pot.
>> >
>> > Bob, K4TAX
>> >
>> >

>> > Sent from my iPhone
>> >
>> > On Dec 11, 2016, at 4:10 PM, Jim Warner jim@...
>> > <mailto:jim@exlinesignal.com> [orion565] <orion565@yahoogroups.com
>> > <mailto:orion565@yahoogroups.com>> wrote:
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>> >>
>> >>
>> >> Before embarking on a search, has someone already figured out the source
>> >> for replacements of the various function rotary encoders? (MULTI/PBT, etc)
>> >> tnx,
>> >> Jim WA9Z
>> >>
>> >
>>
>
>

11712. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-12 15:33:14 UTC
From: Jim Warner
Topic: 11706 Message: 11712

This isn't an operational issue. It's about the stark contrast to the performance quality of Orion and that familiar cheesy appliance feeling I get manipulating those six controls. It's like flying an F18 from a 172 seat. I'm after that warm fuzzy mil-spec feeling to compliment the fine performance of the box.
Thought I'd chime in to see if someone had already been there/done that got the part number. Thanks all for the feedback.
Jim WA9Z

On 12/11/2016 8:31 PM, Bob McGraw K4TAX RMcGraw@... [orion565] wrote:
>
>
> In general encoders are rotating segments acting like moving contacts.
> The inner ring of contacts is offset from the outer ring. There's 2
> sets of spring contacts in common. The back side of the rotating
> contacts has a rubber composition "O" ring to maintain tension and
> provide centering.
>
> Cleaning the fixed contacts and moving contacts, similar to cleaning a
> switch resolves the electrical issue. Replacing and lubricating the "O"
> ring restores centering and reduces shaft runout.
>
> If physical damage has occurred, i.e. bent/broken shaft then replacement
> is the solution.
>
> I've not found a source for encoders used by Tentec thus cleaning and
> repair is my solution.
>
> Bob, K4TAX
>
>
> Sent from my iPhone
>
> On Dec 11, 2016, at 6:40 PM, Bob McGraw K4TAX RMcGraw@...
> <mailto:RMcGraw@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
>>
>>
>> How does that affect operation? Is there that much rotational wear?
>> If so likely the "O" ring should be replaced.
>>
>> Bob, K4TAX
>>

>>
>> Sent from my iPhone
>>
>> On Dec 11, 2016, at 5:11 PM, Jim Warner jim@...
>> <mailto:jim@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
>>
>>>
>>>
>>> Yes, but that won't eliminate the .015" of slop in the shafts.
>>> tnx,
>>> Jim WA9Z
>>>
>>> On 12/11/2016 4:32 PM, Bob McGraw K4TAX RMcGraw@...
>>> <mailto:RMcGraw@...> [orion565]
>>> wrote:
>>> >
>>> >
>>> > Just clean them as you would a carbon pot.
>>> >
>>> > Bob, K4TAX
>>> >
>>> >
>>> > Sent from my iPhone
>>> >
>>> > On Dec 11, 2016, at 4:10 PM, Jim Warner jim@...
>>> <mailto:jim@...>
>>> > <mailto:jim@...> [orion565] <orion565@yahoogroups.com
>>> <mailto:orion565@yahoogroups.com>
>>> > <mailto:orion565@yahoogroups.com>> wrote:
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>>> >> Before embarking on a search, has someone already figured out the
>>> source
>>> >> for replacements of the various function rotary encoders?
>>> (MULTI/PBT, etc)
>>> >> tnx,
>>> >> Jim WA9Z
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>>> >
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>

11713. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-12 21:42:29 UTC
From: Barry N1EU
Topic: 11706 Message: 11713

I think Bourns PEC11L-4225F-S0015 is as close to a part number as you're going to get.

On Mon, Dec 12, 2016 at 3:33 PM, Jim Warner jim@exlinesignal.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> This isn't an operational issue. It's about the stark contrast to the
> performance quality of Orion and that familiar cheesy appliance feeling
> I get manipulating those six controls. It's like flying an F18 from a
> 172 seat. I'm after that warm fuzzy mil-spec feeling to compliment the
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> Thought I'd chime in to see if someone had already been there/done that
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> Jim WA9Z
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> > The inner ring of contacts is offset from the outer ring. There's 2
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> > provide centering.
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> > Cleaning the fixed contacts and moving contacts, similar to cleaning a
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> > If physical damage has occurred, i.e. bent/broken shaft then replacement
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> > I've not found a source for encoders used by Tentec thus cleaning and
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> >>> > On Dec 11, 2016, at 4:10 PM, Jim Warner jim@exlinesignal.com
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> >>> > <mailto:jim@exlinesignal.com> [orion565] <orion565@yahoogroups.com
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> >>> >> Before embarking on a search, has someone already figured out the
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> >>> >
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> >
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11714. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-12 23:34:21 UTC
From: N4IJ .
Topic: 11706 Message: 11714

There was a post on the yahoo group for ten tec I am pretty sure. I used it as a basis for replacing the encolders in my OMNI VII.
Mine were really stiff and one was actually frozen in place for some reason.

Doug N4IJ

On Mon, Dec 12, 2016 at 9:33 AM, Jim Warner jim@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> This isn't an operational issue. It's about the stark contrast to the
> performance quality of Orion and that familiar cheesy appliance feeling
> I get manipulating those six controls. It's like flying an F18 from a
> 172 seat. I'm after that warm fuzzy mil-spec feeling to compliment the
> fine performance of the box.
> Thought I'd chime in to see if someone had already been there/done that
> got the part number. Thanks all for the feedback.
> Jim WA9Z
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> On 12/11/2016 8:31 PM, Bob McGraw K4TAX RMcGraw@... [orion565]
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> > The inner ring of contacts is offset from the outer ring. There's 2
> > sets of spring contacts in common. The back side of the rotating
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> > Cleaning the fixed contacts and moving contacts, similar to cleaning a
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> > <mailto:RMcGraw@...> [orion565] <orion565@yahoogroups.com
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> >>> Yes, but that won't eliminate the .015" of slop in the shafts.
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> >>> > On Dec 11, 2016, at 4:10 PM, Jim Warner jim@...
> >>> <mailto:jim@...>
> >>> > <mailto:jim@...> [orion565] <orion565@yahoogroups.com
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> >>> (MULTI/PBT, etc)
> >>> >> tnx,
> >>> >> Jim WA9Z
> >>> >>

> >>> >
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> >
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>
>

11715. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-13 02:15:44 UTC
From: ericrosenberg.dc@...
Topic: 11706 Message: 11715

I (actually AC2RC) used Bourns PEC11L4125F0020

I wouldn't use those again. I'd choose PEC11L-4020F-S0020

Why? No detents.

The shaft is 5mm shorter, but I don't that that makes a difference.

I'm temped to suggest only the bad ones, but since you've gone through the effort of getting to them, I suppose there's no harm in replacing all of them.

I'll post the data sheet in the files section.

Mouser carries them. <$2 each.

73,
Eric W3DQ

---In orion565@yahoogroups.com, <barry.n1eu@...> wrote :

I think Bourns PEC11L-4225F-S0015 is as close to a part number as you're going to get.

On Mon, Dec 12, 2016 at 3:33 PM, Jim Warner jim@... mailto:jim@... [orion565] <orion565@yahoogroups.com mailto:orion565@yahoogroups.com> wrote:
This isn't an operational issue. It's about the stark contrast to the performance quality of Orion and that familiar cheesy appliance feeling I get manipulating those six controls. It's like flying an F18 from a 172 seat. I'm after that warm fuzzy mil-spec feeling to compliment the fine performance of the box.
Thought I'd chime in to see if someone had already been there/done that got the part number. Thanks all for the feedback.
Jim WA9Z

11716. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-13 02:17:38 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 11716

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /ec11l-777793(1).pdf
Uploaded by : eric_rosenberg <ericrosenberg.dc@...>
Description : Bourns EC11L small encoder data sheet

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/ec11l-777793%281%29.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

eric_rosenberg <ericrosenberg.dc@...>

11717. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-13 02:21:39 UTC
From: ericrosenberg.dc@...
Topic: 11706 Message: 11717

Forgive the typo. I meant Arek, AC2FC.

---In orion565@yahoogroups.com, <ericrosenberg.dc@...> wrote :

I (actually AC2RC) used Bourns PEC11L4125F0020

I wouldn't use those again. I'd choose PEC11L-4020F-S0020

Why? No detents.

The shaft is 5mm shorter, but I don't that that makes a difference.

I'm temped to suggest only the bad ones, but since you've gone through the effort of getting to them, I suppose there's no harm in replacing all of them.

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Mouser carries them. <$2 each.

73,
Eric W3DQ

---In orion565@yahoogroups.com, <barry.n1eu@...> wrote :

I think Bourns PEC11L-4225F-S0015 is as close to a part number as you're going to get.

On Mon, Dec 12, 2016 at 3:33 PM, Jim Warner jim@... mailto:jim@... [orion565] <orion565@yahoogroups.com mailto:orion565@yahoogroups.com> wrote:
This isn't an operational issue. It's about the stark contrast to the performance quality of Orion and that familiar cheesy appliance feeling I get manipulating those six controls. It's like flying an F18 from a 172 seat. I'm after that warm fuzzy mil-spec feeling to compliment the fine performance of the box.
Thought I'd chime in to see if someone had already been there/done that got the part number. Thanks all for the feedback.
Jim WA9Z

11718. Ten Tec Orion II For Sale

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-13 03:54:17 UTC
From: Bob Meadows
Topic: 3889 Message: 11718

Hello guys. If anyone is looking to purchase a nice Ten Tec Orion II with ATU and CW filters let me know. I have the box and original manual too. Moving on to a Flex radio. Thanks, Bob Meadows W6MTM

11719. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-13 10:15:57 UTC
From: Barry N1EU
Topic: 11706 Message: 11719

If the 20mm shaft length will work, I'd suggest the PEC11L-4020F-S0015 instead. (15ppr instead of 20ppr)

Yes, the non-detented encoders would be preferrable - back when I did my research, only the detented ones were available.

Barry N1EU

On Tue, Dec 13, 2016 at 2:15 AM, ericrosenberg.dc@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I (actually AC2RC) used Bourns PEC11L4125F0020
>
> I wouldn't use those again. I'd choose PEC11L-4020F-S0020
>
> Why? No detents.
>
> The shaft is 5mm shorter, but I don't that that makes a difference.
>
> I'm temped to suggest only the bad ones, but since you've gone through the
> effort of getting to them, I suppose there's no harm in replacing all of
> them.
>
> I'll post the data sheet in the files section.
>
> Mouser carries them. <$2 each.
>
> 73,
> Eric W3DQ
>
>
>
> ---In orion565@yahoogroups.com, <barry.n1eu@...> wrote :
>
> I think Bourns PEC11L-4225F-S0015 is as close to a part number as you're
> going to get.
>
> On Mon, Dec 12, 2016 at 3:33 PM, Jim Warner jim@... [orion565] <
> orion565@yahoogroups.com> wrote:
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> This isn't an operational issue. It's about the stark contrast to the
> performance quality of Orion and that familiar cheesy appliance feeling

> I get manipulating those six controls. It's like flying an F18 from a
> 172 seat. I'm after that warm fuzzy mil-spec feeling to compliment the
> fine performance of the box.
> Thought I'd chime in to see if someone had already been there/done that
> got the part number. Thanks all for the feedback.
> Jim WA9Z
>
>
>
>
>
>

11720. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-13 21:06:54 UTC
From: ericrosenberg.dc@...
Topic: 11706 Message: 11720

The 20mm shaft is fine. Why 15 vs 20 ppr? I would have thought 20ppr would give a wider spread (less change per revolution) .

73,Eric W3DQ

11721. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-13 23:23:59 UTC
From: Barry N1EU
Topic: 11706 Message: 11721

I found that the 20ppr changes value too fast.

On Tue, Dec 13, 2016 at 9:06 PM, ericrosenberg.dc@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> The 20mm shaft is fine. Why 15 vs 20 ppr? I would have thought 20ppr would
> give a wider spread (less change per revolution) .
>
> 73,Eric W3DQ
>
>
>
>

11722. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-14 02:53:48 UTC
From: Bob McGraw K4TAX
Topic: 11706 Message: 11722

Actually the opposite is true. 20 PPR makes for faster i.e. more pulses thus the software counts more changes per turn. Whereas 10PPR requires 2 turns for the same number of pulses.

Bob, K4TAX

Sent from my iPhone

> On Dec 13, 2016, at 5:23 PM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I found that the 20ppr changes value too fast.
>
>> On Tue, Dec 13, 2016 at 9:06 PM, ericrosenberg.dc@... [orion565] <orion565@yahoogroups.com> wrote:
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>> The 20mm shaft is fine. Why 15 vs 20 ppr? I would have thought 20ppr would give a wider spread (less change per revolution) .
>>
>>
>> 73,Eric W3DQ
>>
>>
>
>

11723. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-14 10:51:32 UTC
From: Barry N1EU
Topic: 11706 Message: 11723

that's what I said or am I missing something?

On Tue, Dec 13, 2016 at 9:53 PM, Bob McGraw K4TAX RMcGraw@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Actually the opposite is true. 20 PPR makes for faster i.e. more pulses
> thus the software counts more changes per turn. Whereas 10PPR requires 2
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> Bob, K4TAX
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>
> Sent from my iPhone
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> On Dec 13, 2016, at 5:23 PM, Barry N1EU barry.n1eu@... [orion565] <
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>> The 20mm shaft is fine. Why 15 vs 20 ppr? I would have thought 20ppr
>> would give a wider spread (less change per revolution) .
>>
>> 73,Eric W3DQ
>>
>>
>>
>
>

11724. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-14 13:13:26 UTC
From: Jim Warner
Topic: 11706 Message: 11724

Does anyone have an estimate on final production numbers for 565/566?
Jim WA9Z

On 12/14/2016 4:51 AM, Barry N1EU barry.n1eu@... [orion565] wrote:
>
>
> that's what I said or am I missing something?
>
> On Tue, Dec 13, 2016 at 9:53 PM, Bob McGraw K4TAX RMcGraw@...
> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
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> Actually the opposite is true. 20 PPR makes for faster i.e. more
> pulses thus the software counts more changes per turn. Whereas
> 10PPR requires 2 turns for the same number of pulses.
>
> Bob, K4TAX
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> On Dec 13, 2016, at 5:23 PM, Barry N1EU barry.n1eu@...
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>> The 20mm shaft is fine. Why 15 vs 20 ppr? I would have thought
>> 20ppr would give a wider spread (less change per revolution) .
>>
>>
>> 73,Eric W3DQ
>>

>>
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>
>

11725. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-14 13:35:00 UTC
From: Barry N1EU
Topic: 11706 Message: 11725

certainly more than 1,000 and less than 10,000

On Wed, Dec 14, 2016 at 8:13 AM, Jim Warner jim@... [orion565]
<orion565@yahoogroups.com> wrote:

>
>
> Does anyone have an estimate on final production numbers for 565/566?
> Jim WA9Z
>
> On 12/14/2016 4:51 AM, Barry N1EU barry.n1eu@gmail.com [orion565] wrote:
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> > that's what I said or am I missing something?
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> > On Tue, Dec 13, 2016 at 9:53 PM, Bob McGraw K4TAX RMcGraw@Blomand.net
> > [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
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> > Actually the opposite is true. 20 PPR makes for faster i.e. more
> > pulses thus the software counts more changes per turn. Whereas
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> >> The 20mm shaft is fine. Why 15 vs 20 ppr? I would have thought
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> >> 73,Eric W3DQ
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11726. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-14 14:22:03 UTC
From: Bob McGraw K4TAX
Topic: 11706 Message: 11726

Well Eric said less change per revolution when the opposite is true. I attempted to explain how and why.

73

Bob, K4TAX

On 12/14/2016 4:51 AM, Barry N1EU barry.n1eu@... [orion565] wrote:
> that's what I said or am I missing something?
>
> On Tue, Dec 13, 2016 at 9:53 PM, Bob McGraw K4TAX RMcGraw@...
> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
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> Actually the opposite is true. 20 PPR makes for faster i.e. more
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> 10PPR requires 2 turns for the same number of pulses.
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> Bob, K4TAX
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> Sent from my iPhone
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> On Dec 13, 2016, at 5:23 PM, Barry N1EU barry.n1eu@...
> <mailto:barry.n1eu@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
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>> I found that the 20ppr changes value too fast.
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>> On Tue, Dec 13, 2016 at 9:06 PM, ericrosenberg.dc@...
>> <mailto:ericrosenberg.dc@...> [orion565]
>> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
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>> The 20mm shaft is fine. Why 15 vs 20 ppr? I would have
>> thought 20ppr would give a wider spread (less change per
>> revolution) .
>>
>>
>> 73,Eric W3DQ
>>
>>
>>
>>
>
>

11727. Battery change on the Orions

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-15 17:27:01 UTC
From: Peter Frenning [OZ1PIF]
Topic: 11727 Message: 11727

Both the 565 Orion and 566 Orion 2 are equipped with a "Snaphat" battery module, this is a Lithium Ion battery and crystal packed together in a yellow 4-legged package, which plugs into a realtime chip soldered to the control board of the Orions. This real time module has no discernable function the Orion, other than keeping the configuration data alive in CMOS RAM. One could have the thought that this was a piece of the HW design that never got implemented in the SW! While we are at it: the tuner module of the 566 is also equipped with a Lithium battry, a CR2025, but stores no configuration data in actual operation, again: HW design that never actually got implemented in the control SW!

Instead of waiting for the the battery in my my 566 to actually run down and leave me with an Orion in need of a Hard reset, I decided to make the change in time. My Orion was manufactured in 2008 and is thus 8 years old. It has been in daily use all the time, the only problem being the need to repair the A9 power distribution board (new electrolytic capacitors).

To make the switch you need the following tools:

A #10 Torx screwdriver for the 18 black screws on the rear, (don't use the small angled Torx tool delivered with the Orion, it'll drive you insane)

A #1 Phillips screwdiver for the four large screws on the side

A #0 Phillips screwdriver for the 14 (I think) screws holding the front to the main chassis

You'll also need a suitable tool to extract the Snaphat battery, it sits rather tight and can't be pulled by fingers only.

The trick is to power up the radio once you have taken it apart and positioned it for the battery switch, once the boot is completed you can safely pull the old battery and fit the new one, while at it, I switched the CR2015 battery in the tuner as well, mostly to avoid the risk of age related leakage at some point.
Now you can turn off the radio again and reassemble everything.

If you've done everything right your radio is now good to go another 8-10 years!

See http://tentecwiki.org/doku.php?id=565battery for additional information and some pictures.

--
Vy 73 de OZ1PIF/5Q2M, Peter

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****************************************
** The day Microsoft makes something **
** that doesn't suck is probably the **
** day they start making vacuum **
** cleaners ! **
** -- Anonymous Wise Guy **
****************************************
```

email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239/ +45 2332 9464
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark

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11728. Orion repair? Odd issues have arisen (long!)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-15 19:21:14 UTC
From: Chuck Chandler
Topic: 11728 Message: 11728

So, my Orion was bought new in 2005. I've kept the firmware updated, but since the last firmware in 2015 I have observed occasional boots to a blank white screen - no logo, nothing at all, along with all panel LEDs lit. Cycling the power a time or three would boot it normally.

Recently it began to take a lot of power cycles to get to a normal boot. So, I decided to replace the battery. I couldn't recall when or if I had done it recently. But, when I pulled the old one out, it was dated June 2012 in my handwriting. So, it hadn't lasted as long as I would expect.

Anyways, new battery in, RAM Clear, Master Reset. Yet still the blank white screen and lit LEDs happened frequently. Last week it go so bad I did another RAM Clear and Master Reset - each of which power-cycled to a blank white screen several times before booting as expected.

As an aside, I recalibrated my S-meter after that. Within a few QSO's after doing so my amp went haywire... grid current pinned. A few tests determined that my Orion was putting out 140 + watts at a power setting of 100, over 100 watts at a power setting of 60, and over 50 watts at a power setting of 1.

So, RAM Clear and Master Reset... same thing, multiple blank white screen and lit LED's until finally one cycle would boot as expected. The S-Meter calibration went back to default, but the power was still way too high.

So, I downloaded the same firmware and re-installed it. RAM Clear and Master Reset. Yes, a few blank white screen and lit LEDs before either one took, but seemed fewer.

So far, my power output is back to normal. I even recalibrated the S-meter, and the power output is still normal, so that isn't likely to have been the issue. So far the blank white screen and lit LEDs on boot has happened a few times but not often.

Anyways, that is the back-story. My best guess is a software issue, perhaps due to failing RAM. But, who knows? Bottom line is I love this radio! If it's repairable, I want to get it fixed.

Does anyone know if Ten-Tec (under the new ownership, I know) is still fixing Orions? They are NOT listed on their web page, and as far as I know there are still massive disruptions up there due to the wildfires (my boss has a family cabin up that way and talks about it.)

My preference is to have the factory fix it, but if that isn't an option, any suggestions for a reputable, competent repair service would be appreciated!

73 de Chuck, WS1L

--

==========
Chuck Chandler
chandlerusm@...
==========

11729. Re: [orion565] Orion repair? Odd issues have arisen (long!)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-15 19:28:32 UTC
From: Bob McGraw K4TAX
Topic: 11728 Message: 11729

I would suggest all of the capacitors on the A9 board are in need of replacement. There's several messages in the archives which address this issue.

As to Tentec service, I suggest a e-mail to SERVICE@... listing your needs would be in order.

Bob, K4TAX

Sent from my iPhone

> On Dec 15, 2016, at 1:21 PM, Chuck Chandler chandlerusm@... [orion565] <orion565@yahoogroups.com> wrote:
>
> So, my Orion was bought new in 2005. I've kept the firmware updated, but since the last firmware in 2015 I have observed occasional boots to a blank white screen - no logo, nothing at all, along with all panel LEDs lit. Cycling the power a time or three would boot it normally.
>
> Recently it began to take a lot of power cycles to get to a normal boot. So, I decided to replace the battery. I couldn't recall when or if I had done it recently. But, when I pulled the old one out, it was dated June 2012 in my handwriting. So, it hadn't lasted as long as I would expect.
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> Anyways, new battery in, RAM Clear, Master Reset. Yet still the blank white screen and lit LEDs happened frequently. Last week it go so bad I did another RAM Clear and Master Reset - each of which power-cycled to a blank white screen several times before booting as expected.
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> As an aside, I recalibrated my S-meter after that. Within a few QSO's after doing so my amp went haywire... grid current pinned. A few tests determined that my Orion was putting out 140 + watts at a power setting of 100, over 100 watts at a power setting of 60, and over 50 watts at a power setting of 1.
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> So, RAM Clear and Master Reset... same thing, multiple blank white screen and lit LED's until finally one cycle would boot as expected. The S-Meter calibration went back to default, but the power was still way too high.
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> So, I downloaded the same firmware and re-installed it. RAM Clear and Master Reset. Yes, a few blank white screen and lit LEDs before either one took, but seemed fewer.
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> So far, my power output is back to normal. I even recalibrated the S-meter, and the power output is still normal, so that isn't likely to have been the issue. So far the blank white screen and lit LEDs on boot has happened a few times but not often.
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> Anyways, that is the back-story. My best guess is a software issue, perhaps due to failing RAM. But, who knows? Bottom line is I love this radio! If it's repairable, I want

to get it fixed.
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> Does anyone know if Ten-Tec (under the new ownership, I know) is still fixing Orions? They are NOT listed on their web page, and as far as I know there are still massive disruptions up there due to the wildfires (my boss has a family cabin up that way and talks about it.)
>
> My preference is to have the factory fix it, but if that isn't an option, any suggestions for a reputable, competent repair service would be appreciated!
>
> 73 de Chuck, WS1L
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> ====================
> Chuck Chandler
> chandlerusm@...
> ====================
>

11730. Re: [orion565] Orion repair? Odd issues have arisen (long!)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-15 19:31:46 UTC
From: Chuck Chandler
Topic: 11728 Message: 11730

Sorry, in my verbosity I forgot to mention I have emailed Ten-Tec Service
but have not yet heard back. I expect the fires are disrupting things.
I'll look at the A9 board issue, too. Thanks!

On Thu, Dec 15, 2016 at 1:28 PM, Bob McGraw K4TAX RMcGraw@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> I would suggest all of the capacitors on the A9 board are in need of
> replacement. There's several messages in the archives which address this
> issue.
>
> As to Tentec service, I suggest a e-mail to SERVICE@... listing
> your needs would be in order.
>
>
> Bob, K4TAX
>
>
> Sent from my iPhone
>
> On Dec 15, 2016, at 1:21 PM, Chuck Chandler chandlerusm@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
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>
> So, my Orion was bought new in 2005. I've kept the firmware updated, but
> since the last firmware in 2015 I have observed occasional boots to a blank
> white screen - no logo, nothing at all, along with all panel LEDs lit.
> Cycling the power a time or three would boot it normally.
>
> Recently it began to take a lot of power cycles to get to a normal boot.
> So, I decided to replace the battery. I couldn't recall when or if I had
> done it recently. But, when I pulled the old one out, it was dated June
> 2012 in my handwriting. So, it hadn't lasted as long as I would expect.
>
> Anyways, new battery in, RAM Clear, Master Reset. Yet still the blank
> white screen and lit LEDs happened frequently. Last week it go so bad I
> did another RAM Clear and Master Reset - each of which power-cycled to a
> blank white screen several times before booting as expected.
>
> As an aside, I recalibrated my S-meter after that. Within a few QSO's
> after doing so my amp went haywire... grid current pinned. A few tests
> determined that my Orion was putting out 140 + watts at a power setting of

> 100, over 100 watts at a power setting of 60, and over 50 watts at a power
> setting of 1.
>
> So, RAM Clear and Master Reset... same thing, multiple blank white screen
> and lit LED's until finally one cycle would boot as expected. The S-Meter
> calibration went back to default, but the power was still way too high.
>
> So, I downloaded the same firmware and re-installed it. RAM Clear and
> Master Reset. Yes, a few blank white screen and lit LEDs before either one
> took, but seemed fewer.
>
> So far, my power output is back to normal. I even recalibrated the
> S-meter, and the power output is still normal, so that isn't likely to have
> been the issue. So far the blank white screen and lit LEDs on boot has
> happened a few times but not often.
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> Anyways, that is the back-story. My best guess is a software issue,
> perhaps due to failing RAM. But, who knows? Bottom line is I love this
> radio! If it's repairable, I want to get it fixed.
>
> Does anyone know if Ten-Tec (under the new ownership, I know) is still
> fixing Orions? They are NOT listed on their web page, and as far as I know
> there are still massive disruptions up there due to the wildfires (my boss
> has a family cabin up that way and talks about it.)
>
> My preference is to have the factory fix it, but if that isn't an option,
> any suggestions for a reputable, competent repair service would be
> appreciated!
>
> 73 de Chuck, WS1L
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> Chuck Chandler
> chandlerusm@...
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Chuck Chandler
chandlerusm@...
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11731. Re: [orion565] Orion repair? Odd issues have arisen (long!)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-15 19:43:57 UTC
From: Barry N1EU
Topic: 11728 Message: 11731

http://tentecwiki.org/doku.php?id=565pwrdistfail

On Thu, Dec 15, 2016 at 2:31 PM, Chuck Chandler chandlerusm@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Sorry, in my verbosity I forgot to mention I have emailed Ten-Tec Service
> but have not yet heard back. I expect the fires are disrupting things.
> I'll look at the A9 board issue, too. Thanks!
>
> On Thu, Dec 15, 2016 at 1:28 PM, Bob McGraw K4TAX RMcGraw@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
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>> I would suggest all of the capacitors on the A9 board are in need of
>> replacement. There's several messages in the archives which address this
>> issue.
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>> As to Tentec service, I suggest a e-mail to SERVICE@... listing
>> your needs would be in order.
>>
>>
>> Bob, K4TAX
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>>
>> Sent from my iPhone
>>
>> On Dec 15, 2016, at 1:21 PM, Chuck Chandler chandlerusm@...
>> [orion565] <orion565@yahoogroups.com> wrote:
>>
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>>
>> So, my Orion was bought new in 2005. I've kept the firmware updated, but
>> since the last firmware in 2015 I have observed occasional boots to a blank
>> white screen - no logo, nothing at all, along with all panel LEDs lit.
>> Cycling the power a time or three would boot it normally.
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>> Recently it began to take a lot of power cycles to get to a normal boot.
>> So, I decided to replace the battery. I couldn't recall when or if I had
>> done it recently. But, when I pulled the old one out, it was dated June
>> 2012 in my handwriting. So, it hadn't lasted as long as I would expect.
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>> Anyways, new battery in, RAM Clear, Master Reset. Yet still the blank

>> white screen and lit LEDs happened frequently. Last week it go so bad I
>> did another RAM Clear and Master Reset - each of which power-cycled to a
>> blank white screen several times before booting as expected.
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>> As an aside, I recalibrated my S-meter after that. Within a few QSO's
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>> calibration went back to default, but the power was still way too high.
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>> any suggestions for a reputable, competent repair service would be
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>> 73 de Chuck, WS1L
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>> chandlerusm@...
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> Chuck Chandler
> chandlerusm@...
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11732. Re: [orion565] Orion repair? Odd issues have arisen (long!)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-15 19:49:01 UTC
From: bkemp
Topic: 11728 Message: 11732

Chuck.Try Jim warner at Ex line signal.Fast turn around.Waiting 2 weeks for a response from TT...for my email inquiry!!!!Bob

Sent from my Verizon, Samsung Galaxy smartphone
-------- Original message --------From: "Chuck Chandler chandlerusm@gmail.com [orion565]" <orion565@yahoogroups.com> Date: 12/15/16 2:31 PM (GMT-05:00) To: orion565@yahoogroups.com Subject: Re: [orion565] Orion repair? Odd issues have arisen (long!)

Sorry, in my verbosity I forgot to mention I have emailed Ten-Tec Service but have not yet heard back. I expect the fires are disrupting things. I'll look at the A9 board issue, too. Thanks!
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I would suggest all of the capacitors on the A9 board are in need of replacement. There's several messages in the archives which address this issue.
As to Tentec service, I suggest a e-mail to SERVICE@TENTEC.COM listing your needs would be in order.

Bob, K4TAX

Sent from my iPhone
On Dec 15, 2016, at 1:21 PM, Chuck Chandler chandlerusm@gmail.com [orion565] <orion565@yahoogroups.com> wrote:

So, my Orion was bought new in 2005. I've kept the firmware updated, but since the last firmware in 2015 I have observed occasional boots to a blank white screen - no logo, nothing at all, along with all panel LEDs lit. Cycling the power a time or three would boot it normally.
Recently it began to take a lot of power cycles to get to a normal boot. So, I decided to replace the battery. I couldn't recall when or if I had done it recently. But, when I pulled the old one out, it was dated June 2012 in my handwriting. So, it hadn't lasted as long as I would expect.
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My preference is to have the factory fix it, but if that isn't an option, any suggestions for a reputable, competent repair service would be appreciated!
73 de Chuck, WS1L

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==========Chuck Chandlerchandlerusm@gmail.com==========

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==========Chuck Chandlerchandlerusm@gmail.com==========

11733. Re: [orion565] Orion repair? Odd issues have arisen (long!)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-15 19:59:55 UTC
From: Joe
Topic: 11728 Message: 11733

Bob....

Need info re address, etc., on your suggestion: Jim Warner at Ex Line Signal?

73, Joe, KX4JR

On 12/15/2016 14:49, bkemp bkemp@... [orion565] wrote:
> Chuck.
> Try Jim warner at Ex line signal.
> Fast turn around.
> Waiting 2 weeks for a response from TT...for my email inquiry!!!!
> Bob
>
>
>
> Sent from my Verizon, Samsung Galaxy smartphone
>
> -------- Original message --------
> From: "Chuck Chandler chandlerusm@... [orion565]"
> <orion565@yahoogroups.com>
> Date: 12/15/16 2:31 PM (GMT-05:00)
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion repair? Odd issues have arisen (long!)
>
> Sorry, in my verbosity I forgot to mention I have emailed Ten-Tec
> Service but have not yet heard back. I expect the fires are
> disrupting things. I'll look at the A9 board issue, too. Thanks!
>
> On Thu, Dec 15, 2016 at 1:28 PM, Bob McGraw K4TAX RMcGraw@...
> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
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> I would suggest all of the capacitors on the A9 board are in need
> of replacement. There's several messages in the archives which
> address this issue.
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> As to Tentec service, I suggest a e-mail to SERVICE@...
> <mailto:SERVICE@...> listing your needs would be in order.
>
>
> Bob, K4TAX
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>
> Sent from my iPhone
>

> On Dec 15, 2016, at 1:21 PM, Chuck Chandler chandlerusm@...
> <mailto:chandlerusm@...> [orion565]
> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
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>> So, my Orion was bought new in 2005. I've kept the firmware
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>> it go so bad I did another RAM Clear and Master Reset - each of
>> which power-cycled to a blank white screen several times before
>> booting as expected.
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>> As an aside, I recalibrated my S-meter after that. Within a few
>> QSO's after doing so my amp went haywire... grid current pinned.
>> A few tests determined that my Orion was putting out 140 + watts
>> at a power setting of 100, over 100 watts at a power setting of
>> 60, and over 50 watts at a power setting of 1.
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>> So, RAM Clear and Master Reset... same thing, multiple blank
>> white screen and lit LED's until finally one cycle would boot as
>> expected. The S-Meter calibration went back to default, but the
>> power was still way too high.
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>> So, I downloaded the same firmware and re-installed it. RAM
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>> issue, perhaps due to failing RAM. But, who knows? Bottom line
>> is I love this radio! If it's repairable, I want to get it fixed.
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>> Does anyone know if Ten-Tec (under the new ownership, I know) is
>> still fixing Orions? They are NOT listed on their web page, and
>> as far as I know there are still massive disruptions up there due
>> to the wildfires (my boss has a family cabin up that way and

>> talks about it.)
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>> My preference is to have the factory fix it, but if that isn't an
>> option, any suggestions for a reputable, competent repair service
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>> 73 de Chuck, WS1L
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>> Chuck Chandler
>> chandlerusm@... <mailto:chandlerusm@...>
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> Chuck Chandler
> chandlerusm@... <mailto:chandlerusm@...>
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11734. Re: [orion565] Orion repair? Odd issues have arisen (long!)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-15 20:05:54 UTC
From: bkemp
Topic: 11728 Message: 11734

Google ex line signal...ex line, IA.
I cc'd him/you

Sent from my Verizon, Samsung Galaxy smartphone

-------- Original message --------From: "Joe kx4jr@att.net [orion565]"
<orion565@yahoogroups.com> Date: 12/15/16 2:59 PM (GMT-05:00) To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion repair? Odd issues have arisen (long!)

Bob....
Need info re address, etc., on your suggestion: Jim Warner at Ex
Line Signal?
73, Joe, KX4JR

On 12/15/2016 14:49, bkemp
bkemp@bobkemp.com [orion565] wrote:

Chuck.
Try Jim warner at Ex line signal.
Fast turn around.
Waiting 2 weeks for a response from TT...for my email
inquiry!!!!
Bob

Sent
from my Verizon, Samsung Galaxy smartphone

-------- Original message --------
From: "Chuck Chandler chandlerusm@gmail.com
[orion565]" <orion565@yahoogroups.com>
Date: 12/15/16 2:31 PM (GMT-05:00)
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion repair? Odd issues have
arisen (long!)

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back. I expect the fires are disrupting things. I'll
look at the A9 board issue, too. Thanks!

On Thu, Dec 15, 2016 at 1:28
PM, Bob McGraw K4TAX RMcGraw@Blomand.net [orion565] <orion565@yahoogroups.com>
wrote:

I would suggest all of the capacitors
on the A9 board are in need of
replacement. There's several messages in

the archives which address this issue.

As
to Tentec service, I suggest a e-mail to SERVICE@TENTEC.COM
listing your needs would be in order.

Bob, K4TAX

Sent from my iPhone

On Dec 15, 2016, at 1:21 PM, Chuck
Chandler chandlerusm@gmail.com
[orion565] <orion565@yahoogroups.com>
wrote:

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new in 2005. I've kept the firmware
updated, but since the last firmware
in 2015 I have observed occasional
boots to a blank white screen - no
logo, nothing at all, along with all
panel LEDs lit. Cycling the power a
time or three would boot it
normally.

Recently it began to take a lot
of power cycles to get to a normal
boot. So, I decided to replace
the battery. I couldn't recall
when or if I had done it
recently. But, when I pulled the
old one out, it was dated June
2012 in my handwriting. So, it
hadn't lasted as long as I would
expect.

11735. RE: [orion565] Orion repair? Odd issues have arisen (long!)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-15 20:37:20 UTC
From: Torrey Mitchell
Topic: 11728 Message: 11735

Jim’s complete information is on QRZ. His call is WA9Z.

73 Torrey N9PY

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: December 15, 2016 14:06
To: orion565@yahoogroups.com
Cc: jim@exlinesignal.com
Subject: Re: [orion565] Orion repair? Odd issues have arisen (long!)

Google ex line signal...ex line, IA.

I cc'd him/you

Sent from my Verizon, Samsung Galaxy smartphone

-------- Original message --------

From: "Joe kx4jr@... <mailto:kx4jr@...> [orion565]" <orion565@yahoogroups.com
<mailto:orion565@yahoogroups.com> >

Date: 12/15/16 2:59 PM (GMT-05:00)

To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>

Subject: Re: [orion565] Orion repair? Odd issues have arisen (long!)

Bob....

Need info re address, etc., on your suggestion: Jim Warner at Ex Line Signal?

73, Joe, KX4JR

On 12/15/2016 14:49, bkemp bkemp@... <mailto:bkemp@...> [orion565] wrote:

Chuck.

Try Jim warner at Ex line signal.

Fast turn around.

Waiting 2 weeks for a response from TT...for my email inquiry!!!!

Bob

Sent from my Verizon, Samsung Galaxy smartphone

-------- Original message --------

From: "Chuck Chandler chandlerusm@... <mailto:chandlerusm@gmail.com> [orion565]" <mailto:orion565@yahoogroups.com> <orion565@yahoogroups.com>

Date: 12/15/16 2:31 PM (GMT-05:00)

To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>

Subject: Re: [orion565] Orion repair? Odd issues have arisen (long!)

Sorry, in my verbosity I forgot to mention I have emailed Ten-Tec Service but have not yet heard back. I expect the fires are disrupting things. I'll look at the A9 board issue, too. Thanks!

On Thu, Dec 15, 2016 at 1:28 PM, Bob McGraw K4TAX RMcGraw@Blomand.net <mailto:RMcGraw@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com> > wrote:

I would suggest all of the capacitors on the A9 board are in need of replacement. There's several messages in the archives which address this issue.

As to Tentec service, I suggest a e-mail to SERVICE@... <mailto:SERVICE@...> listing your needs would be in order.

Bob, K4TAX

Sent from my iPhone

On Dec 15, 2016, at 1:21 PM, Chuck Chandler chandlerusm@... <mailto:chandlerusm@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com> > wrote:

So, my Orion was bought new in 2005. I've kept the firmware updated, but since the last firmware in 2015 I have observed occasional boots to a blank white screen - no logo, nothing at all, along with all panel LEDs lit. Cycling the power a time or three would boot it normally.

Recently it began to take a lot of power cycles to get to a normal boot. So, I decided to replace the battery. I couldn't recall when or if I had done it recently. But, when I pulled the old one out, it was dated June 2012 in my handwriting. So, it hadn't lasted as long as I would expect.

11736. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-15 21:38:57 UTC
From: N4IJ .
Topic: 11706 Message: 11736

I agree with the 15ppm. I put 20ppm in my Onmi VII and found it was too fie, although acceptable.

Doug N4IJ

On Tue, Dec 13, 2016 at 3:06 PM, ericrosenberg.dc@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> The 20mm shaft is fine. Why 15 vs 20 ppr? I would have thought 20ppr would
> give a wider spread (less change per revolution) .
>
> 73,Eric W3DQ
>
>
>
>

11737. Re: [orion565] Orion repair? Odd issues have arisen (long!)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-15 23:01:55 UTC
From: Chuck Chandler
Topic: 11728 Message: 11737

OK, two sets of replacement caps have been ordered from Mouser. Thanks for the advice!

73 de Chuck, WS1L

On Thu, Dec 15, 2016 at 1:28 PM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I would suggest all of the capacitors on the A9 board are in need of
> replacement. There's several messages in the archives which address this
> issue.
>
> As to Tentec service, I suggest a e-mail to SERVICE@... listing
> your needs would be in order.
>
>
> Bob, K4TAX
>
>
> Sent from my iPhone
>
> On Dec 15, 2016, at 1:21 PM, Chuck Chandler chandlerusm@gmail.com
> [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
>
> So, my Orion was bought new in 2005. I've kept the firmware updated, but
> since the last firmware in 2015 I have observed occasional boots to a blank
> white screen - no logo, nothing at all, along with all panel LEDs lit.
> Cycling the power a time or three would boot it normally.
>
> Recently it began to take a lot of power cycles to get to a normal boot.
> So, I decided to replace the battery. I couldn't recall when or if I had
> done it recently. But, when I pulled the old one out, it was dated June
> 2012 in my handwriting. So, it hadn't lasted as long as I would expect.
>
> Anyways, new battery in, RAM Clear, Master Reset. Yet still the blank
> white screen and lit LEDs happened frequently. Last week it go so bad I
> did another RAM Clear and Master Reset - each of which power-cycled to a
> blank white screen several times before booting as expected.
>
> As an aside, I recalibrated my S-meter after that. Within a few QSO's
> after doing so my amp went haywire... grid current pinned. A few tests
> determined that my Orion was putting out 140 + watts at a power setting of

> 100, over 100 watts at a power setting of 60, and over 50 watts at a power
> setting of 1.
>
> So, RAM Clear and Master Reset... same thing, multiple blank white screen
> and lit LED's until finally one cycle would boot as expected. The S-Meter
> calibration went back to default, but the power was still way too high.
>
> So, I downloaded the same firmware and re-installed it. RAM Clear and
> Master Reset. Yes, a few blank white screen and lit LEDs before either one
> took, but seemed fewer.
>
> So far, my power output is back to normal. I even recalibrated the
> S-meter, and the power output is still normal, so that isn't likely to have
> been the issue. So far the blank white screen and lit LEDs on boot has
> happened a few times but not often.
>
> Anyways, that is the back-story. My best guess is a software issue,
> perhaps due to failing RAM. But, who knows? Bottom line is I love this
> radio! If it's repairable, I want to get it fixed.
>
> Does anyone know if Ten-Tec (under the new ownership, I know) is still
> fixing Orions? They are NOT listed on their web page, and as far as I know
> there are still massive disruptions up there due to the wildfires (my boss
> has a family cabin up that way and talks about it.)
>
> My preference is to have the factory fix it, but if that isn't an option,
> any suggestions for a reputable, competent repair service would be
> appreciated!
>
> 73 de Chuck, WS1L
>
> --
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> ====================
> Chuck Chandler
> chandlerusm@gmail.com
> ====================
>
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>

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Chuck Chandler
chandlerusm@...
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11738. Re: [orion565] Orion repair? Odd issues have arisen (long!)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-16 03:03:00 UTC
From: Bob McGraw K4TAX
Topic: 11728 Message: 11738

Not only are the fires affecting local residents in the area, but during the month of November I understand that Tentec was moving to another location. I have no info as to if and how the move has progressed. I'm sure this along with other events have slowed progress with service response.

73

Bob, K4TAX

On 12/15/2016 1:31 PM, Chuck Chandler chandlerusm@... [orion565] wrote:
> Sorry, in my verbosity I forgot to mention I have emailed Ten-Tec
> Service but have not yet heard back. I expect the fires are disrupting
> things. I'll look at the A9 board issue, too. Thanks!
>
> On Thu, Dec 15, 2016 at 1:28 PM, Bob McGraw K4TAX RMcGraw@...
> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> I would suggest all of the capacitors on the A9 board are in need
> of replacement. There's several messages in the archives which
> address this issue.
>
> As to Tentec service, I suggest a e-mail to SERVICE@...
> <mailto:SERVICE@...> listing your needs would be in order.
>
>
> Bob, K4TAX
>
>
> Sent from my iPhone
>
> On Dec 15, 2016, at 1:21 PM, Chuck Chandler chandlerusm@...
> <mailto:chandlerusm@...> [orion565]
> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>> So, my Orion was bought new in 2005. I've kept the firmware
>> updated, but since the last firmware in 2015 I have observed
>> occasional boots to a blank white screen - no logo, nothing at
>> all, along with all panel LEDs lit. Cycling the power a time or
>> three would boot it normally.
>>
>> Recently it began to take a lot of power cycles to get to a
>> normal boot. So, I decided to replace the battery. I couldn't
>> recall when or if I had done it recently. But, when I pulled the

>> old one out, it was dated June 2012 in my handwriting. So, it
>> hadn't lasted as long as I would expect.
>>
>> Anyways, new battery in, RAM Clear, Master Reset. Yet still the
>> blank white screen and lit LEDs happened frequently. Last week
>> it go so bad I did another RAM Clear and Master Reset - each of
>> which power-cycled to a blank white screen several times before
>> booting as expected.
>>
>> As an aside, I recalibrated my S-meter after that. Within a few
>> QSO's after doing so my amp went haywire... grid current pinned.
>> A few tests determined that my Orion was putting out 140 + watts
>> at a power setting of 100, over 100 watts at a power setting of
>> 60, and over 50 watts at a power setting of 1.
>>
>> So, RAM Clear and Master Reset... same thing, multiple blank
>> white screen and lit LED's until finally one cycle would boot as
>> expected. The S-Meter calibration went back to default, but the
>> power was still way too high.
>>
>> So, I downloaded the same firmware and re-installed it. RAM
>> Clear and Master Reset. Yes, a few blank white screen and lit
>> LEDs before either one took, but seemed fewer.
>>
>> So far, my power output is back to normal. I even recalibrated
>> the S-meter, and the power output is still normal, so that isn't
>> likely to have been the issue. So far the blank white screen and
>> lit LEDs on boot has happened a few times but not often.
>>
>> Anyways, that is the back-story. My best guess is a software
>> issue, perhaps due to failing RAM. But, who knows? Bottom line
>> is I love this radio! If it's repairable, I want to get it fixed.
>>
>> Does anyone know if Ten-Tec (under the new ownership, I know) is
>> still fixing Orions? They are NOT listed on their web page, and
>> as far as I know there are still massive disruptions up there due
>> to the wildfires (my boss has a family cabin up that way and
>> talks about it.)
>>
>> My preference is to have the factory fix it, but if that isn't an
>> option, any suggestions for a reputable, competent repair service
>> would be appreciated!
>>
>> 73 de Chuck, WS1L
>>
>> --
>>
>>
>> ====================
>> Chuck Chandler

>> chandlerusm@... <mailto:chandlerusm@...>
>> ====================
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> ====================
> Chuck Chandler
> chandlerusm@... <mailto:chandlerusm@...>
> ====================
>

11739. Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-16 13:44:13 UTC
From: Martin Sole
Topic: 11739 Message: 11739

What with all the talk about fixes for the 565 we have a few fairly standard failure areas namely:

Battery

A9 capacitors

Small encoders

I would also include the main DC connector plug and socket. Perhaps there are other things that might be considered worth having in a service pack? I know most of these items seem to be somewhat freely available. Not sure about the encoders though it seems there might be a Bourns item that fits the bill at a reasonable price. I'd really like to single source this set of parts and perhaps others might also be interested in acquiring a first aid kit.

I'm in no position to organise such an activity. Maybe someone reading this might consider offering such a kit of parts. I'd happily pay a premium to be able to get it all in one. Anyone?

Martin, HS0ZED

11740. Re: [orion565] Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-16 14:25:56 UTC
From: Barry N1EU
Topic: 11739 Message: 11740

Here's a link to a $25 Orion spares kit you can order from Mouser with caps, battery and encoders:

http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=0f1239a85b

I don't know the p/n of the DC connector so it wasn't included. I haven't personally tried the 20mm shaft encoders but others report that they work fine. Use at your own risk.

73, Barry N1EU

On Fri, Dec 16, 2016 at 8:44 AM, Martin Sole hs0zed@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> What with all the talk about fixes for the 565 we have a few fairly
> standard failure areas namely:
>
> Battery
>
> A9 capacitors
>
> Small encoders
>
> I would also include the main DC connector plug and socket. Perhaps
> there are other things that might be considered worth having in a
> service pack? I know most of these items seem to be somewhat freely
> available. Not sure about the encoders though it seems there might be a
> Bourns item that fits the bill at a reasonable price. I'd really like to
> single source this set of parts and perhaps others might also be
> interested in acquiring a first aid kit.
>
> I'm in no position to organise such an activity. Maybe someone reading
> this might consider offering such a kit of parts. I'd happily pay a
> premium to be able to get it all in one. Anyone?
>
> Martin, HS0ZED
>
>
>

11741. Re: [orion565] Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-16 14:46:56 UTC
From: Martin Sole
Topic: 11739 Message: 11741

Many thanks Barry, that'll do nicely

Martin, HS0ZED

On 16/12/2016 15:25, Barry N1EU barry.n1eu@... [orion565] wrote:
> Here's a link to a $25 Orion spares kit you can order from Mouser with
> caps, battery and encoders:
>
> http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=0f1239a85b
>
> I don't know the p/n of the DC connector so it wasn't included. I
> haven't personally tried the 20mm shaft encoders but others report
> that they work fine. Use at your own risk.
>
> 73, Barry N1EU
>
>
>
> On Fri, Dec 16, 2016 at 8:44 AM, Martin Sole hs0zed@...
> <mailto:hs0zed@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> What with all the talk about fixes for the 565 we have a few fairly
> standard failure areas namely:
>
> Battery
>
> A9 capacitors
>
> Small encoders
>
> I would also include the main DC connector plug and socket. Perhaps
> there are other things that might be considered worth having in a
> service pack? I know most of these items seem to be somewhat freely
> available. Not sure about the encoders though it seems there might
> be a
> Bourns item that fits the bill at a reasonable price. I'd really
> like to
> single source this set of parts and perhaps others might also be
> interested in acquiring a first aid kit.
>
> I'm in no position to organise such an activity. Maybe someone
> reading
> this might consider offering such a kit of parts. I'd happily pay a
> premium to be able to get it all in one. Anyone?

>
> Martin, HS0ZED
>
>
>

11742. Re: [orion565] function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-16 14:15:20 UTC
From: Barry N1EU
Topic: 11706 Message: 11742

The 20mm shaft length non-detented encoder (PEC11L-4020F-S0015) is an unstocked part at Mouser and Digi-Key. Now I'm remembering why I ended up using a detented encoder when I did the replacement a few years ago.

Barry N1EU

On Thu, Dec 15, 2016 at 4:38 PM, 'N4IJ .' dougn4ij@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I agree with the 15ppm. I put 20ppm in my Onmi VII and found it was too
> fie, although acceptable.
>
> Doug N4IJ
>
> On Tue, Dec 13, 2016 at 3:06 PM, ericrosenberg.dc@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> The 20mm shaft is fine. Why 15 vs 20 ppr? I would have thought 20ppr
>> would give a wider spread (less change per revolution) .
>>
>> 73,Eric W3DQ
>>
>>
>>
>
>

11743. Re: [orion565] Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-16 19:09:55 UTC
From: Barry Simpson
Topic: 11739 Message: 11743

Barry

What a great bit of information.

I have been on line and ordered my kit already.

Thanks again.

Barry VK2BJ

On 17 December 2016 at 01:25, Barry N1EU barry.n1eu@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Here's a link to a $25 Orion spares kit you can order from Mouser with
> caps, battery and encoders:
>
> http://www.mouser.com/ProjectManager/ProjectDetail.
> aspx?AccessID=0f1239a85b
>
> I don't know the p/n of the DC connector so it wasn't included. I haven't
> personally tried the 20mm shaft encoders but others report that they work
> fine. Use at your own risk.
>
> 73, Barry N1EU
>
>
>
> On Fri, Dec 16, 2016 at 8:44 AM, Martin Sole hs0zed@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> What with all the talk about fixes for the 565 we have a few fairly
>> standard failure areas namely:
>>
>> Battery
>>
>> A9 capacitors
>>
>> Small encoders
>>
>> I would also include the main DC connector plug and socket. Perhaps
>> there are other things that might be considered worth having in a
>> service pack? I know most of these items seem to be somewhat freely

>> available. Not sure about the encoders though it seems there might be a
>> Bourns item that fits the bill at a reasonable price. I'd really like to
>> single source this set of parts and perhaps others might also be
>> interested in acquiring a first aid kit.
>>
>> I'm in no position to organise such an activity. Maybe someone reading
>> this might consider offering such a kit of parts. I'd happily pay a
>> premium to be able to get it all in one. Anyone?
>>
>> Martin, HS0ZED
>>
>>
>
>

11744. Re: [orion565] Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-16 19:36:27 UTC
From: amfone
Topic: 11739 Message: 11744

How do I get the information what is the kit number to order?

On Friday, December 16, 2016 7:10 PM, "Barry Simpson vk2bj@... [orion565]" <orion565@yahoogroups.com> wrote:

  Barry
What a great bit of information.
I have been on line and ordered my kit already.
Thanks again.
Barry VK2BJ

On 17 December 2016 at 01:25, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:

  Here's a link to a $25 Orion spares kit you can order from Mouser with caps, battery and encoders:

http://www.mouser.com/ ProjectManager/ProjectDetail. aspx?AccessID=0f1239a85b

I don't know the p/n of the DC connector so it wasn't included. I haven't personally tried the 20mm shaft encoders but others report that they work fine. Use at your own risk.

73, Barry N1EU

On Fri, Dec 16, 2016 at 8:44 AM, Martin Sole hs0zed@... [orion565] <orion565@yahoogroups.com> wrote:

  What with all the talk about fixes for the 565 we have a few fairly standard failure areas namely:

Battery

A9 capacitors

Small encoders

I would also include the main DC connector plug and socket. Perhaps there are other things that might be considered worth having in a service pack? I know most of these items seem to be somewhat freely available. Not sure about the encoders though it seems there might be a Bourns item that fits the bill at a reasonable price. I'd really like to single source this set of parts and perhaps others might also be interested in acquiring a first aid kit.

I'm in no position to organise such an activity. Maybe someone reading this might consider offering such a kit of parts. I'd happily pay a premium to be able to get it all in one. Anyone?

Martin, HS0ZED

11745. Re: [orion565] Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-16 19:48:21 UTC
From: Chuck Chandler
Topic: 11739 Message: 11745

Agreed! I have two sets of caps for the A9 board already on the way too.

I'm really glad there's still ways to keep this great rig alive and well.
Sincere thanks to all who contribute to making that possible.
On Fri, Dec 16, 2016 at 13:36 amfone amfone20000@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> How do I get the information what is the kit number to order?
>
>
>
>
>
> On Friday, December 16, 2016 7:10 PM, "Barry Simpson vk2bj@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
>
> Barry
>
> What a great bit of information.
>
> I have been on line and ordered my kit already.
>
> Thanks again.
>
> Barry VK2BJ
>
>
>
>
> On 17 December 2016 at 01:25, Barry N1EU barry.n1eu@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
>
> Here's a link to a $25 Orion spares kit you can order from Mouser with
> caps, battery and encoders:
>
> http://www.mouser.com/ ProjectManager/ProjectDetail.
> aspx?AccessID=0f1239a85b
> <http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=0f1239a85b>
>
> I don't know the p/n of the DC connector so it wasn't included. I haven't
> personally tried the 20mm shaft encoders but others report that they work
> fine. Use at your own risk.

>
> 73, Barry N1EU
>
>
>
> On Fri, Dec 16, 2016 at 8:44 AM, Martin Sole hs0zed@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
> What with all the talk about fixes for the 565 we have a few fairly
> standard failure areas namely:
>
> Battery
>
> A9 capacitors
>
> Small encoders
>
> I would also include the main DC connector plug and socket. Perhaps
> there are other things that might be considered worth having in a
> service pack? I know most of these items seem to be somewhat freely
> available. Not sure about the encoders though it seems there might be a
> Bourns item that fits the bill at a reasonable price. I'd really like to
> single source this set of parts and perhaps others might also be
> interested in acquiring a first aid kit.
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> I'm in no position to organise such an activity. Maybe someone reading
> this might consider offering such a kit of parts. I'd happily pay a
> premium to be able to get it all in one. Anyone?
>
> Martin, HS0ZED
>
>
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>
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>
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>
--
Chuck

Sent from my iPhone

Chuck Chandler
chandlerusm@...

11746. Re: [orion565] Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-16 20:15:43 UTC
From: Barry Simpson
Topic: 11739 Message: 11746

Just click on the link. That takes you straight to the kit order page.

On 17 December 2016 at 06:36, amfone amfone20000@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> How do I get the information what is the kit number to order?
>
>
> On Friday, December 16, 2016 7:10 PM, "Barry Simpson vk2bj@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> Barry
>
> What a great bit of information.
>
> I have been on line and ordered my kit already.
>
> Thanks again.
>
> Barry VK2BJ
>
>
>
> On 17 December 2016 at 01:25, Barry N1EU barry.n1eu@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
> Here's a link to a $25 Orion spares kit you can order from Mouser with
> caps, battery and encoders:
>
> http://www.mouser.com/ ProjectManager/ProjectDetail.
> aspx?AccessID=0f1239a85b
> <http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=0f1239a85b>
>
> I don't know the p/n of the DC connector so it wasn't included. I haven't
> personally tried the 20mm shaft encoders but others report that they work
> fine. Use at your own risk.
>
> 73, Barry N1EU
>
>

>
> On Fri, Dec 16, 2016 at 8:44 AM, Martin Sole hs0zed@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
> What with all the talk about fixes for the 565 we have a few fairly
> standard failure areas namely:
>
> Battery
>
> A9 capacitors
>
> Small encoders
>
> I would also include the main DC connector plug and socket. Perhaps
> there are other things that might be considered worth having in a
> service pack? I know most of these items seem to be somewhat freely
> available. Not sure about the encoders though it seems there might be a
> Bourns item that fits the bill at a reasonable price. I'd really like to
> single source this set of parts and perhaps others might also be
> interested in acquiring a first aid kit.
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> I'm in no position to organise such an activity. Maybe someone reading
> this might consider offering such a kit of parts. I'd happily pay a
> premium to be able to get it all in one. Anyone?
>
> Martin, HS0ZED
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11747. Re: [orion565] Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-17 12:33:47 UTC
From: amfone
Topic: 11739 Message: 11747

I ordered it thanks, 73 TIM WB8UHZ

On Friday, December 16, 2016 8:15 PM, "Barry Simpson vk2bj@... [orion565]" <orion565@yahoogroups.com> wrote:

  Just click on the link. That takes you straight to the kit order page.
On 17 December 2016 at 06:36, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> wrote:

  How do I get the information what is the kit number to order?

On Friday, December 16, 2016 7:10 PM, "Barry Simpson vk2bj@... [orion565]" <orion565@yahoogroups.com> wrote:

  Barry
What a great bit of information.
I have been on line and ordered my kit already.
Thanks again.
Barry VK2BJ

On 17 December 2016 at 01:25, Barry N1EU barry.n1eu@gmail.com [orion565] <orion565@yahoogroups.com> wrote:

  Here's a link to a $25 Orion spares kit you can order from Mouser with caps, battery and encoders:

http://www.mouser.com/ ProjectManager/ProjectDetail. aspx?AccessID=0f1239a85b

I don't know the p/n of the DC connector so it wasn't included. I haven't personally tried the 20mm shaft encoders but others report that they work fine. Use at your own risk.

73, Barry N1EU

On Fri, Dec 16, 2016 at 8:44 AM, Martin Sole hs0zed@... [orion565] <orion565@yahoogroups.com> wrote:

  What with all the talk about fixes for the 565 we have a few fairly
standard failure areas namely:

Battery

A9 capacitors

Small encoders

I would also include the main DC connector plug and socket. Perhaps
there are other things that might be considered worth having in a
service pack? I know most of these items seem to be somewhat freely
available. Not sure about the encoders though it seems there might be a

Bourns item that fits the bill at a reasonable price. I'd really like to single source this set of parts and perhaps others might also be interested in acquiring a first aid kit.

I'm in no position to organise such an activity. Maybe someone reading this might consider offering such a kit of parts. I'd happily pay a premium to be able to get it all in one. Anyone?

Martin, HS0ZED

11748. Re: Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-17 15:19:32 UTC
From: wx4us
Topic: 11739 Message: 11748

Thanks for the service pack link Barry, I just ordered it. I have not yet experienced any issues with my 2006 Orion II, but having the parts at hand should just about guarantee continued success. I think I will change the battery and the caps on the A9 board as a general precaution. That seems like a good rainy day project before it is needed.

Thanks again for all that you do!

73,

Fred - WX4US

Pensacola, FL

It is not about the class of the license the amateur holds, its about the class of the amateur who holds the license.

[Non-text portions of this message have been removed]

11749. Re: [orion565] Re: Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-17 15:44:56 UTC
From: amfone
Topic: 11739 Message: 11749

Where is the A9 board you guys in the Orion and any pictures of it?
TimWB8UHZ

On Saturday, December 17, 2016 3:39 PM, "'wx4us' wx4us@... [orion565]"
<orion565@yahoogroups.com> wrote:

Thanks for the service pack link Barry, I just ordered it. I have not yet
experienced any issues with my 2006 Orion II, but having the parts at hand
should just about guarantee continued success. I think I will change the
battery and the caps on the A9 board as a general precaution. That seems
like a good rainy day project before it is needed.

Thanks again for all that you do!

73,

Fred - WX4US

Pensacola, FL

It is not about the class of the license the amateur holds, its about the
class of the amateur who holds the license.

[Non-text portions of this message have been removed]

11750. Re: [orion565] Re: Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-17 15:57:31 UTC
From: Barry N1EU
Topic: 11739 Message: 11750

pop the bottom cover and it's all by itself on one side toward the front,
as shown in this photo: http://www.jvgavila.com/orion_6.jpg

On Sat, Dec 17, 2016 at 3:44 PM, amfone amfone20000@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Where is the A9 board you guys in the Orion and any pictures of it?
>
> Tim
> WB8UHZ
>
>
> On Saturday, December 17, 2016 3:39 PM, "'wx4us' wx4us@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
>
>
>
> Thanks for the service pack link Barry, I just ordered it. I have not yet
> experienced any issues with my 2006 Orion II, but having the parts at hand
> should just about guarantee continued success. I think I will change the
> battery and the caps on the A9 board as a general precaution. That seems
> like a good rainy day project before it is needed.
>
> Thanks again for all that you do!
>
> 73,
>
> Fred - WX4US
>
> Pensacola, FL
>
> It is not about the class of the license the amateur holds, its about the
> class of the amateur who holds the license.
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>

11751. Re[2]: [orion565] Re: Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-17 15:57:50 UTC
From: Mike Pagel
Topic: 11739 Message: 11751

http://www.n6ie.com/A9_Fix.html

73, de Mike, K9UW
Amherst, WI

------ Original Message ------
From: "amfone amfone20000@... [orion565]"
<orion565@yahoogroups.com>
To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>
Sent: 12/17/2016 9:44:56 AM
Subject: Re: [orion565] Re: Orion service pack request :)

>
>
>Where is the A9 board you guys in the Orion and any pictures of it?
>
>Tim
>WB8UHZ
>
>
>On Saturday, December 17, 2016 3:39 PM, "'wx4us' wx4us@...
>[orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
>
>
>
>Thanks for the service pack link Barry, I just ordered it. I have not
>yet
>experienced any issues with my 2006 Orion II, but having the parts at
>hand
>should just about guarantee continued success. I think I will change
>the
>battery and the caps on the A9 board as a general precaution. That
>seems
>like a good rainy day project before it is needed.
>
>Thanks again for all that you do!
>
>73,
>
>Fred - WX4US
>
>Pensacola, FL
>
>It is not about the class of the license the amateur holds, its about

>the
>class of the amateur who holds the license.
>
>[Non-text portions of this message have been removed]
>
>
>
>
>Visit Your GroupNew Members2
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>
>.
>
>

11752. Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-17 16:10:06 UTC
From: wb5ein@...
Topic: 11752 Message: 11752

My Orion 565 has streaks of lines (actually, MISSING lines) horizontally through it, almost as though the display were beginning to fade away.
Ten-Tec service replaced the battery for me about a year ago, so I don't suspect that.

Maybe I just need to do some deep research on this. I'll bet y'all have heard this complaint previously and there are plenty of solutions.

BTW, I ordered the Mouser kit recommended by Barry, N1EU, this week.

Thanks for everybody's help. What a terrific resource this group is!

-Dr. Larry S. Anderson, WB5EIN
Tupelo, MS (birthplace of King Elvis!)
TenTec Orion I (565AT). 3rd owner

11753. Re: Re[2]: [orion565] Re: Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-17 19:24:38 UTC
From: amfone
Topic: 11739 Message: 11753

Thanks Barry appreciate it very much.
TimWB8UHZ

On Saturday, December 17, 2016 3:58 PM, "'Mike Pagel' k9uw@... [orion565]" <orion565@yahoogroups.com> wrote:

http://www.n6ie.com/A9_Fix.html 73, de Mike, K9UWAmherst, WI ------ Original Message ------From: "amfone amfone20000@... [orion565]" <orion565@yahoogroups.com>To: "orion565@yahoogroups.com" <orion565@yahoogroups.com>Sent: 12/17/2016 9:44:56 AMSubject: Re: [orion565] Re: Orion service pack request :)
Where is the A9 board you guys in the Orion and any pictures of it?
TimWB8UHZ

On Saturday, December 17, 2016 3:39 PM, "'wx4us' wx4us@cox.net [orion565]" <orion565@yahoogroups.com> wrote:

Thanks for the service pack link Barry, I just ordered it. I have not yet experienced any issues with my 2006 Orion II, but having the parts at hand should just about guarantee continued success. I think I will change the battery and the caps on the A9 board as a general precaution. That seems like a good rainy day project before it is needed.

Thanks again for all that you do!

73,

Fred - WX4US

Pensacola, FL

It is not about the class of the license the amateur holds, its about the class of the amateur who holds the license.

[Non-text portions of this message have been removed]

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.

11754. Many tnx re A9 Kit from Mouser

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-17 19:38:12 UTC
From: Joe
Topic: 11754 Message: 11754

Barry... Tnx for info. I've ordered mine

73, Joe, KX4JR

11755. Re: function control encoders 565/566

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-17 22:14:09 UTC
From: Jeff Herhold
Topic: 11706 Message: 11755

I just ordered the Orion kit, and bumped up the quantities for the caps. Thanks a TON for putting that kit on line Barry, or whoever did that!

Their system indicated that the six encoders are in stock, so we'll see.

Now I'm looking forward to getting the Orion back on line!

Love this rig….and the Eagle also, of course.

Jeff, WI7D

11756. Re: Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-19 00:46:00 UTC
From: kg6tt@...
Topic: 11752 Message: 11756

Please share whatever you find regarding lcd screen replacement. I have the same problem. I have made a few attempts to reach TenTec service regarding a replacement LCD and as yet they have not replied (about three weeks now). I did hear from another ham that TenTec told him they did not have any replacement screens for the 565 and Jupiter. I have asked around looking for info regarding how others replaced their 565 screen with a similar substitute, but so far only PA1AP responded. He gave me a link to a display at NewHaven Display that he thought might be adapted. After that email I've heard nothing more regarding what adaptations I will have to do. I did buy two of his recommended displays. They were being sold out at $18 each and had four left after the two I bought. Can I made one work? I really, really, hope so.

73,
Jerry, KG6TT

11757. Re: Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-19 13:49:23 UTC
From: Jim M.
Topic: 11752 Message: 11757

TENTEC had to buy that LCD from a manufacturer somewhere. Maybe the manufacturer has replacements. Does anyone know the manufacturer? Can you remove the LCD to see if there is a manufacturer name or other nomenclature on it?

Jim N4BE

Sent from my iPad

11758. Re: [orion565] Re: Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-19 14:04:09 UTC
From: Barry N1EU
Topic: 11752 Message: 11758

The attached PCB has the designations P141-17A and DG-32240. If you google that, it seems to indicate the LCD manufacturer is Data Vision.

I highly doubt it is still available, anywhere.

73, Barry N1EU

On Mon, Dec 19, 2016 at 8:49 AM, 'Jim M.' n4be_jim@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> TENTEC had to buy that LCD from a manufacturer somewhere. Maybe the
> manufacturer has replacements. Does anyone know the manufacturer? Can you
> remove the LCD to see if there is a manufacturer name or other nomenclature
> on it?
>
> Jim N4BE
>
> Sent from my iPad
>
>

11759. Re: [orion565] Re: Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-19 19:37:07 UTC
From: Joe
Topic: 11752 Message: 11759

Jim....

Can't guarantee anything, but here's a possible lead from an old email
in 2015 from K4QET.

"Could this be a TenTec screen?

http://www.goldmine-elec-products.com/prodinfo.asp?number=G19815A

Mike k4qet+

On 12/19/2016 08:49, 'Jim M.' n4be_jim@... [orion565] wrote:
>
> TENTEC had to buy that LCD from a manufacturer somewhere. Maybe the
> manufacturer has replacements. Does anyone know the manufacturer? Can
> you remove the LCD to see if there is a manufacturer name or other
> nomenclature on it?
>
> Jim N4BE
>
> Sent from my iPad
>
>

11760. Re: [orion565] Re: Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-19 19:46:15 UTC
From: Barry N1EU
Topic: 11752 Message: 11760

Uhhh, that's a color display . . . .

On Mon, Dec 19, 2016 at 2:37 PM, Joe kx4jr@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Jim....
>
> Can't guarantee anything, but here's a possible lead from an old email in
> 2015 from K4QET.
>
> "Could this be a TenTec screen?
> http://www.goldmine-elec-products.com/prodinfo.asp?number=G19815A
>
> Mike k4qet+
>
>
> On 12/19/2016 08:49, 'Jim M.' n4be_jim@... [orion565] wrote:
>
>
>
> TENTEC had to buy that LCD from a manufacturer somewhere. Maybe the
> manufacturer has replacements. Does anyone know the manufacturer? Can you
> remove the LCD to see if there is a manufacturer name or other nomenclature
> on it?
>
> Jim N4BE
>
> Sent from my iPad
>
>
>
>

11761. Re: Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-19 20:27:56 UTC
From: Onno PA1AP
Topic: 11752 Message: 11761

i can help you with instructions. very busy at the moment with research and did not find the time to document the procedure. just send me email onno at nextchallenge dot net

best regards onno pa1ap

11762. Orion Service Pack

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-20 06:00:14 UTC
From: Barry Simpson
Topic: 11762 Message: 11762

I ordered mine from Mouser on Sunday 17 December and it arrived today, 20 December.

What fantastic service. Parcels within Australia don't arrive that speedily very often.

Very impressed with Mouser - and with Barry N1EU for the information in the first place.

73 and Merry Christmas

Barry Simpson VK2BJ

11763. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-21 17:42:53 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 11763

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /orion_lcd_replacement.pdf
Uploaded by : wb0cff <wb0cff@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/orion_lcd_replacement.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

wb0cff <wb0cff@...>

11764. Re: Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-21 17:47:45 UTC
From: wb0cff@...
Topic: 11752 Message: 11764

Hello to ALL,

I bought my Orion from TT during the 2012 TT Hamfest. It came with the Jupiter blue/white scree.
Stan Brock said the original Orion screen was no longer available.

Shortly after that, somebody pointed me to this PDF and I kept a copy for future reference. I know
nothing about how it all works out. View the article and decide if it's a valid lead for your needs.

orion_lcd_replacement.pdf https://drive.google.com/open?id=0B2AHmp2AWb70V0x5WGFsMWFGWnM

https://drive.google.com/open?id=0B2AHmp2AWb70V0x5WGFsMWFGWnM

orion_lcd_replacement.pdf https://drive.google.com/open?id=0B2AHmp2AWb70V0x5WGFsMWFGWnM
Sign in Loading… Main menu

View on drive.google.com https://drive.google.com/open?id=0B2AHmp2AWb70V0x5WGFsMWFGWnM
Preview by Yahoo

73 Carl WB0CFF

11765. Re: [orion565] Re: Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-21 17:54:19 UTC
From: Barry N1EU
Topic: 11752 Message: 11765

That file is from tentecwiki.org

On Wed, Dec 21, 2016 at 12:47 PM, wb0cff@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hello to ALL,
>
> I bought my Orion from TT during the 2012 TT Hamfest. It came with the
> Jupiter blue/white scree.
> Stan Brock said the original Orion screen was no longer available.
>
> Shortly after that, somebody pointed me to this PDF and I kept a copy for
> future reference. I know
> nothing about how it all works out. View the article and decide if it's a
> valid lead for your needs.
>
> orion_lcd_replacement.pdf
> <https://drive.google.com/open?id=0B2AHmp2AWb70V0x5WGFsMWFGWnM>
> [image: image]
> <https://drive.google.com/open?id=0B2AHmp2AWb70V0x5WGFsMWFGWnM>
> orion_lcd_replacement.pdf
> <https://drive.google.com/open?id=0B2AHmp2AWb70V0x5WGFsMWFGWnM>
> Sign in Loading… Main menu
> View on drive.google.com
> <https://drive.google.com/open?id=0B2AHmp2AWb70V0x5WGFsMWFGWnM>
> Preview by Yahoo
>
>
> 73
> Carl WB0CFF
>
>
>

11766. Re: Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-21 18:09:24 UTC
From: wb0cff@...
Topic: 11752 Message: 11766

Thanks Barry,

I guess I am not surprised that it's in the Wiki. I do not recall who had sent the copy to me.
Its been about 4 years now.

I looked at the Newhaven Display website and it appears that display is no longer available.
The datasheet might provide enough clues to look for a suitable alternative but that might be a long shot.
newhaven-display-international-inc-nhd-320240wg-atmi-nz_57f1683968.pdf
https://drive.google.com/open?id=0B2AHmp2AWb70Y1JiTWpmTTlIdVE

https://drive.google.com/open?id=0B2AHmp2AWb70Y1JiTWpmTTlIdVE

newhaven-display-international-inc-nhd-3202...
https://drive.google.com/open?id=0B2AHmp2AWb70Y1JiTWpmTTlIdVE Sign in Loading… Main menu

View on drive.google.com https://drive.google.com/open?id=0B2AHmp2AWb70Y1JiTWpmTTlIdVE
Preview by Yahoo

The Newhaven gang is often referenced by people in the maker world (Arduino, Raspberry PI, Beaglebone...). If they are willing to work with the maker type experimenters, they may be willing and able to point to a solution.

73
Carl WB0CFF

11767. Service update

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-21 22:06:08 UTC
From: Chuck Chandler
Topic: 11767 Message: 11767

I got a response back from Robert at Ten Tec service this Monday. The Orion is packed up and in the hands of FedEx enraptured to Sevierville. I'll update when I hear from them, but sounds like they are good to go.

73 de Chuck, WS1L
--
Chuck

Sent from my iPhone

Chuck Chandler
chandlerusm@...

11768. Re: Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-22 01:48:35 UTC
From: chasnels@...
Topic: 11752 Message: 11768

Newhaven Display model NHD-320240WG-ATMI-TZ# will work, but you'll have to fabricate an adapter to connect the display's ribbon cable to the Orion logic board. I installed one in my 565 a couple of years ago.

The display is available from Mouser, Digikey and directly from Newhaven for 68 bucks.

Chas, N4FW

11769. Re: Screen has horizontal lines through it

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-22 02:33:49 UTC
From: chasnels@...
Topic: 11752 Message: 11769

If the NHD-320240WG-ATMI-TZ# display is installed, disconnect the -20 volt lead on the A9 power distribution board before applying power.

Chas, N4FW

11770. Re: Orion service pack request :)

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-22 09:36:35 UTC
From: pa5mw@...
Topic: 11739 Message: 11770

Thanks Barry !

I also ordered a full kit just now.

73
Mark, PA5MW

11771. Re: Service update

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-22 12:00:24 UTC
From: Chuck Chandler
Topic: 11767 Message: 11771

Just re-read what my iPhone output:

"The Orion is packed up and in the hands of FedEx enraptured to
Sevierville."

It's a good radio, and nothing against FedEx, but I meant to type "enroute"!

On Wed, Dec 21, 2016 at 4:06 PM, Chuck Chandler <chandlerusm@...>
wrote:

> I got a response back from Robert at Ten Tec service this Monday. The
> Orion is packed up and in the hands of FedEx enraptured to Sevierville.
> I'll update when I hear from them, but sounds like they are good to go.
>
> 73 de Chuck, WS1L
> --
> Chuck
>
> Sent from my iPhone
>
> Chuck Chandler
> chandlerusm@...
>

--

==========
Chuck Chandler
chandlerusm@...
==========

11772. Re: Service update

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-23 15:38:18 UTC
From: Jeff Herhold
Topic: 11767 Message: 11772

Greetings all and Merry Christmas!

Ordered my Orion kit from Mouser about a week ago and received it yesterday, complete with the encoders I hope to never need. Of course, I bumped up the parts count for capacitors, as you never know….

Now for some bench time!

73 and Happy Holidays.

Jeff, WI7D

Las Vegas

11773. Ten tec Orion off frequency 300hz on USB and LSB

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-23 22:00:06 UTC
From: Jeff Pederson
Topic: 11773 Message: 11773

Im a proud new owner of an Orion. I really like this radio but its off frequency. I also have an Omni Vii. The Orion is off frequency by at least 300hz in ssb, tried master reset and still the same. Could that master oscillator be off that much or do I have another problem like a setting or worse? I have sent an email to Ten tec service requesting an RMA # so I can send it in for repair.I have read of people adjusting the master oscillator but none seemed to be off frequency as much as the Orion I have. Any help is appreciated,

Kind Regards
Jeff
KD4LYH

11774. Re: Ten tec Orion off frequency 300hz on USB and LSB

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-24 19:23:09 UTC
From: Onno PA1AP
Topic: 11773 Message: 11774

hi,

I remember this happened with my orion couple of times using old firmware. couple of things you might want to check;

1- what is your current firmware. press menu buttpn for about 5 seconds and it should show version.

2- full reset and master reset will help with most software related issues.

3- I guess you checked rit and xit settings? Master reset will ensure all odd ends are closed.

4- you mention ssb mode with off-set. Does that mean other modes do not have this off-set?

Let us know what you find and we will try to help!

Best regards, Onno pa1ap

11775. Re: Ten tec Orion off frequency 300hz on USB and LSB

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-25 07:33:35 UTC
From: kd4lyh@...
Topic: 11773 Message: 11775

Good Day Onno,

I have firmware version 3.032. Did a full reset and master reset, still the same problem. Bob McGraw, K4TAX and another gentleman in this group pointed me in the right direction. I adjusted the master ocillator. I used my Omni VII as a monitor. After a little research I took the bottom cover off put the radio on its side turned it on and let it warm up, I draped a bath towel over the bottom to simulate an adjustment with the cover on (probably a dumb idea) I reached up under the towel with a shorty insulated pot tweeker and made the adjustment while talking into the mic and listening on the Omni VII, I must be real close as I made ssb contacts on 20, 40, 80 meters and asked if I sounded off from their frequency.. I think im within specs of the radio or pretty close. Ive read of others adjusting the master ocillator, but most were off less than 100hz my Orion was off 300hz. Im still not convinced , I may have corrected the problem or masked another.

Jeff
KD4LYH

11776. replacing Orion 565 display

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-25 16:26:10 UTC
From: pa1ap@...
Topic: 11776 Message: 11776

Hi,

Well it isn't that difficult. The display unit(s) as offered by NewHeaven have display driver chips the orion does not use. This combined with a memory chip you can remove two chips to downgrade the display to be compatible with the orion circuitry.

If you can send me a picture of the display I can pinpoint the chips for you. 99% sure I have the display you have as well so we can compare.

Second, the display does not come with all hardware you need. The following is required;

1- 4 x 12 mm posts (m3) to mount the pcb to the logic board
2- there is a chance that the board is slightly bigger (2-3 mm) and hence it could touch the s meter post.. When you are assembling the display please verify. If it connects, take the display unit out and cut of a small part to make it fit nicely
3- the hardest part if the flat cable connection between display and logic unit. I found the following is working well;

a- find an old ide cable and you need 14 wires. Most of the time the display is provided with a flatcable attached to con2 (20 pins). You can remove this cable. The 14 pin cable can be soldered to con 1 (14 pins). You need about 12 cm.

b- I order to connect to the logic board Ten-tec used a small pcb with a single row connector. It is a standard pcb connector and it needs 14 pins.. 10pcs Single Row Right Angle 40 Pin 2.54mm Pitch Female PCB Header Connector-in Connectors from Home Improvement on Aliexpress.com | Alibaba Group

https://www.aliexpress.com/item/10pcs-Single-Row-Right-Angle-40-Pin-2-54mm-Pitch-Female-PCB-Header-Connector/32627552183.html?spm=2114.40010508.4.18.F2snHS

10pcs Single Row Right Angle 40 Pin 2.54mm Pitch Femal... https://www.aliexpress.com/item/10pcs-Single-Row-Right-Angle-40-Pin-2-54mm-Pitch-Female-PCB-Header-Connector/32627552183.html?spm=2114.40010508.4.18.F2snHS Cheap pcb ul, Buy Quality pcb coil directly from China connector laptop Suppliers: 100pcs 2 Rows DB15 D-Sub 15pin Female Solder Serial Port Conne...

View on www.aliexpress.com https://www.aliexpress.com/item/10pcs-Single-Row-Right-Angle-40-Pin-2-54mm-Pitch-Female-PCB-Header-Connector/32627552183.html?spm=2114.40010508.4.18.F2snHS
Preview by Yahoo

What I did is ordering a 40 pins connector (select the one where the "pins" are at 90 degrees angle) and carefully cut it with a saw to get the right pin count.

c) the alternative for the connector would be to solder the cable straight to the pins. Its up to you what you deem good or bad.

4- Since the newheaven display units have their own negative voltage circuit (much more stable) do not connect the negative contrast voltage (two wire cable coming from the orion dc-dc board).

Thats pretty much all you need to do. Removing the chip / chips (depending hw version) is not very difficult.

I will upload various examples of display boards. I hope those will help illustrating the layouts.

From risk point of view; Well really not that risky since the cpu connects to the display through a driver chip. The driver chip has the outputs connecting to the display and if you shortcut the whole thing you might blow up the driver chip. The cpu behind that chip should not be impacted by that. But as always, as it seems normal in the usa; I dont take any responsibility if things go wrong.

Upload will follow soon.

Best regards, Onno de pa1ap

11777. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-25 16:54:28 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 11777

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion 565 replacement screens/Various displays for Orion 565.pdf
Uploaded by : pa1ap <pa1ap@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/Orion%20565%20replacement%20screens/Various%20displays%20for%20Orion%20565.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

pa1ap <pa1ap@...>

11778. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-28 11:35:59 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 11778

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion 565 replacement screens/Various displays for Orion 565.pdf
Uploaded by : pa1ap <pa1ap@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/Orion%20565%20replacement%20screens/Various%20displays%20for%20Orion%20565.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

pa1ap <pa1ap@...>

11779. Re: [orion565] New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-28 16:42:59 UTC
From: Fernando
Topic: 222 Message: 11779

Thank you Onno.

I ordered directly from NewHaven the grey one for

a mere $18 USD. Will keep as a spare.

Seasons Greetings.

Fernando N2FQ/6
n2fq@sbcglobal.net

> On Dec 28, 2016, at 3:35 AM, orion565@yahoogroups.com wrote:
>
>
> Hello,
>
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the orion565
> group.
>
>
> File : /Orion 565 replacement screens/Various displays for Orion 565.pdf
> Uploaded by : pa1ap <pa1ap@...>
> Description :
>
>
> You can access this file at the URL:
> https://groups.yahoo.com/neo/groups/orion565/files/Orion%20565%20replacement%20screens/V
arious%20displays%20for%20Orion%20565.pdf
>
>
> To learn more about file sharing for your group, please visit:
> https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398
>
>
> Regards,
>
>
> pa1ap <pa1ap@...>
>
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>
> Yahoo Groups Links
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11780. Re: [orion565] New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-28 18:23:08 UTC
From: pa1ap@...
Topic: 222 Message: 11780

if there is interest we could create a proper description as well alternative screens. I have investigated color screen too and there are several versions available. It will not provide a true color screen but it will provide a (hardware) selectable back/front color setting. Things to note; The contrast setting requires a so called negative control and hence not all screen are supported. Furthermore the orion expects 8 bit control and some displays are with 4 bits control. Some details not to ignore ;-) Regards, Onno

11781. Experience with alignment ALC orion 565 / 566?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-28 19:55:52 UTC
From: pa1ap@...
Topic: 11781 Message: 11781

Hi,

It seems the ALC board of my 565 is not working as it should be. I have found some experience in this forum where potentiometers were not reliable and rotating them would fix the issue. Unfortunately this is not the issue with my unit. I did learn the following;

1- The swr bridge provides FWD and REF to the ALC board and FWD is connected to the ALC output circuit. REF is not connected to the ALC circuit, however it goes back into the ADC and might be connected indirectly.

2- The PA unit connects through input/output board as "IC" to the ALC circuit. The same "IC" signal goes into the ADC as well and might have something to do in digital world.

3- On the ALC board you can adjust the ALC SET as well the IC through potentiometers. They do work together but I am not sure what the correct procedure would be.

4- You can also "calibrate" REF value and Power indication on the S-Meter using dedicated potentiometers. Last but not least there is a general S meter potentiometer.

I don't care much about the S meter / pwr meter. But do care a lot about the ALC adjustment for obvious reasons.

I sure hope someone has experience with repair / alignment of the ALC board?

Thanks and best regards, Onno de pa1ap

11782. Re: [orion565] Experience with alignment ALC orion 565 / 566?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-28 23:03:36 UTC
From: Jim Warner
Topic: 11781 Message: 11782

If it suddenly started and is doing it on all the bands, check the
fwd/rfl power rectifier diodes before diddling everything out of alignment.
Jim WA9Z

On 12/28/2016 1:55 PM, pa1ap@... [orion565] wrote:
>
>
> Hi,
>
> It seems the ALC board of my 565 is not working as it should be. I have
> found some experience in this forum where potentiometers were not
> reliable and rotating them would fix the issue. Unfortunately this is
> not the issue with my unit. I did learn the following;
>
> 1- The swr bridge provides FWD and REF to the ALC board and FWD is
> connected to the ALC output circuit. REF is not connected to the ALC
> circuit, however it goes back into the ADC and might be connected
> indirectly.
>
> 2- The PA unit connects through input/output board as "IC" to the ALC
> circuit. The same "IC" signal goes into the ADC as well and might have
> something to do in digital world.
>
> 3- On the ALC board you can adjust the ALC SET as well the IC through
> potentiometers. They do work together but I am not sure what the correct
> procedure would be.
>
> 4- You can also "calibrate" REF value and Power indication on the
> S-Meter using dedicated potentiometers. Last but not least there is a
> general S meter potentiometer.
>
> I don't care much about the S meter / pwr meter. But do care a lot about
> the ALC adjustment for obvious reasons.
>
> I sure hope someone has experience with repair / alignment of the ALC
> board?
>
> Thanks and best regards, Onno de pa1ap
>
>

11783. Re: [orion565] Experience with alignment ALC orion 565 / 566?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-29 01:53:02 UTC
From: Bob McGraw K4TAX
Topic: 11781 Message: 11783

I always suggest one identify the problem as well as the cause of the
problem before any adjustments are made or parts replaced.

73

Bob, K4TAX

On 12/28/2016 5:03 PM, Jim Warner jim@... [orion565] wrote:
>
> If it suddenly started and is doing it on all the bands, check the
> fwd/rfl power rectifier diodes before diddling everything out of
> alignment.
> Jim WA9Z
>
> On 12/28/2016 1:55 PM, pa1ap@... [orion565] wrote:
> >
> >
> > Hi,
> >
> > It seems the ALC board of my 565 is not working as it should be. I have
> > found some experience in this forum where potentiometers were not
> > reliable and rotating them would fix the issue. Unfortunately this is
> > not the issue with my unit. I did learn the following;
> >
> > 1- The swr bridge provides FWD and REF to the ALC board and FWD is
> > connected to the ALC output circuit. REF is not connected to the ALC
> > circuit, however it goes back into the ADC and might be connected
> > indirectly.
> >
> > 2- The PA unit connects through input/output board as "IC" to the ALC
> > circuit. The same "IC" signal goes into the ADC as well and might have
> > something to do in digital world.
> >
> > 3- On the ALC board you can adjust the ALC SET as well the IC through
> > potentiometers. They do work together but I am not sure what the correct
> > procedure would be.
> >
> > 4- You can also "calibrate" REF value and Power indication on the
> > S-Meter using dedicated potentiometers. Last but not least there is a
> > general S meter potentiometer.
> >
> > I don't care much about the S meter / pwr meter. But do care a lot about
> > the ALC adjustment for obvious reasons.
> >
> > I sure hope someone has experience with repair / alignment of the ALC
> > board?

> >
> > Thanks and best regards, Onno de pa1ap
> >
> >
>
>

11784. Re: [orion565] Experience with alignment ALC orion 565 / 566?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-29 20:24:40 UTC
From: pa1ap@...
Topic: 11781 Message: 11784

Thanks for the feedback! Much appreciate. I understand the feedback and I wish the problem was that easy. I did a lot of measurements and results were very unreliable. Than touching the ALC potentiometer already changed the results and thats not what it is supposed to do. I finally found the issue and it was a combination of bad luck; ALC potentiometer was somehow unreliable but also the capacitor following it was "leaking". So I had to replace both of them. Things got better but still not good enough. Than I discovered that the ANT1/2 relais was making poor contact. So I wrote a small script to perform some relais fitness. Now it is stable again and I would really like to check ALC and IC settings following some alignment procedure. I still hope someone knows this procedure :-)
best regards, Onno pa1ap

11785. Re: [orion565] Experience with alignment ALC orion 565 / 566?

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-29 21:29:36 UTC
From: Bob McGraw K4TAX
Topic: 11781 Message: 11785

ONNO:

I suggest you send and e-mail to SERVICE@... and ask Bob in
service for the alignment procedure. I don't know if they have
anything actually written that could be printed or published. Most
I've found for other products have been notes from techs there. I'll
check my documentation and see if there is anything available from my files.

Good luck

73

Bob, K4TAX

On 12/29/2016 2:24 PM, pa1ap@... [orion565] wrote:
>
> Thanks for the feedback! Much appreciate. I understand the feedback
> and I wish the problem was that easy. I did a lot of measurements and
> results were very unreliable. Than touching the ALC potentiometer
> already changed the results and thats not what it is supposed to do. I
> finally found the issue and it was a combination of bad luck; ALC
> potentiometer was somehow unreliable but also the capacitor following
> it was "leaking". So I had to replace both of them. Things got better
> but still not good enough. Than I discovered that the ANT1/2 relais
> was making poor contact. So I wrote a small script to perform some
> relais fitness. Now it is stable again and I would really like to
> check ALC and IC settings following some alignment procedure. I still
> hope someone knows this procedure :-)
> best regards, Onno pa1ap
>
>

11786. ten tec 707 on orion 2

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-29 23:45:02 UTC
From: ik1qhb@...
Topic: 11786 Message: 11786

Good evening

I'm trying to build a cable to connect the ten tec microphone 707 to my ten tec orion 2. Does anyone know the cable wiring required to switch from the 4-pin connector to the 8-pin connector?

Thank you

Paul IK1QHB

11787. Re: [orion565] ten tec 707 on orion 2

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-29 23:57:40 UTC
From: Bob McGraw K4TAX
Topic: 11786 Message: 11787

See the attached JPG file.

73

Bob, K4TAX

On 12/29/2016 5:45 PM, ik1qhb@yahoo.it [orion565] wrote:
> Good evening I'm trying to build a cable to connect the ten tec
> microphone 707 to my ten tec orion 2. Does anyone know the cable
> wiring required to switch from the 4-pin connector to the 8-pin
> connector? Thank you Paul IK1QHB
>
>
>

[Non-text portions of this message have been removed]

11788. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-30 00:19:07 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 11788

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /MICS.jpg
Uploaded by : k4tax <RMcGraw@...>
Description : 4 pin & 8 pin mike connector wiring

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/MICS.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

k4tax <RMcGraw@...>

11789. Re: [orion565] ten tec 707 on orion 2

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-30 00:22:45 UTC
From: Bob McGraw K4TAX
Topic: 11786 Message: 11789

I have also uploaded this file to the Orion565 Yahoo site. See
MICS.jpg under FILES.

73

Bob, K4TAX

On 12/29/2016 5:57 PM, Bob McGraw K4TAX RMcGraw@... [orion565]
wrote:
>
> See the attached JPG file.
>
> 73
>
> Bob, K4TAX
>
> On 12/29/2016 5:45 PM, ik1qhb@... [orion565] wrote:
> > Good evening I'm trying to build a cable to connect the ten tec
> > microphone 707 to my ten tec orion 2. Does anyone know the cable
> > wiring required to switch from the 4-pin connector to the 8-pin
> > connector? Thank you Paul IK1QHB
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

11790. Re: [orion565] ten tec 707 on orion 2

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-30 00:40:36 UTC
From: Paolo Emanuelli
Topic: 11786 Message: 11790

Many Many Thanks

Paul IK1QHB

> Il giorno 30 dic 2016, alle ore 01:22, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> ha scritto:
>
>
> I have also uploaded this file to the Orion565 Yahoo site. See MICS.jpg under FILES.
>
> 73
>
> Bob, K4TAX
>
>
> On 12/29/2016 5:57 PM, Bob McGraw K4TAX RMcGraw@... <mailto:RMcGraw@...> [orion565] wrote:
>>
>> See the attached JPG file.
>>
>> 73
>>
>> Bob, K4TAX
>>
>> On 12/29/2016 5:45 PM, ik1qhb@... <mailto:ik1qhb@yahoo.it> [orion565] wrote:
>> > Good evening I'm trying to build a cable to connect the ten tec
>> > microphone 707 to my ten tec orion 2. Does anyone know the cable
>> > wiring required to switch from the 4-pin connector to the 8-pin
>> > connector? Thank you Paul IK1QHB
>> >
>> >
>> >
>>
>> [Non-text portions of this message have been removed]
>>
>>
>
>
>

11791. Orion 565 relais partnumbers

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-30 17:56:23 UTC
From: pa1ap@...
Topic: 11791 Message: 11791

Greetings,

Did anyone replace the antenna relais in the past and happen to remember the part numbers? Particularly relais S15 close to both antenna ports. Thanks and regards, Onno pa1ap

11792. Re: Orion 565 relais partnumbers

Yahoo group: orion565 (2014 — 2017)
Date: 2016-12-30 18:36:47 UTC
From: pa1ap@...
Topic: 11791 Message: 11792

Thanks to k8ac url regarding relay noise http://k8ac.net/Relay%20Noise.pdf http://k8ac.net/Relay%20Noise.pdf I learned the relais code. The relais code is klt1c6dc12 and the other relais (for switching power) is a T90 spdt too (hat901csdc12).

Since I will be replacing the antenna relais I will also replace the power relais. Its a challenge to take the disassemble the unit so better do it once. Cost of relais is very low. In total its less then $5 so not something to really worry about.

Best regards, Onno pa1ap

11793. 565 Will Not Transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-03 02:33:18 UTC
From: Tom Hellem
Topic: 11793 Message: 11793

Hi All-
New to the group today. Checking out a 565 that came into my hands recently. I have no experience with this radio (nor any other TenTec radio), so thought I would throw this out to the group to make sure I am not missing something fundamental before proceeding.

Here is the setup:
Transmitter enabled in menu.
Auto tuner disabled (it is installed)
Keying loops both off, nothing hooked up to them
Mode switch UCW
Power setting 40 watts
Key with mono plug in front panel jack
Internal keyer disabled.

The symptoms:
When key is closed, radio goes into XMIT mode, RX mutes.
Sidetone is activated
No reading on power meter, stays right on zero
SWR indicator on LCD screen (right side above sub rx info) says SWR 1.0:1, no matter what freq. the radio is tuned to and no matter what is hooked up to antenna port.

Tried a master reset to no avail.

Anybody see something I am missing?

Anyone else ever have this happen?

All input and comments appreciated.

Thanks and 73

Tom
K0SN

11794. Re: [orion565] 565 Will Not Transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-03 14:47:49 UTC
From: Jim Warner
Topic: 11793 Message: 11794

TEST 1
When you close the key, what kind of current does the radio draw?
Do the panel lights dim slightly as you operate the key?
If so, the transmitter is likely making RF power but it's not being
steered to the power metering circuit and antenna port. If this is the
case, to prevent more damage, you should cease any further transmitter
testing until you determine where the RF is going.

TEST 2
If above is not applicable, can you hear the transmitter on a loose
coupled nearby receiver?

Jim WA9Z

On 1/2/2017 8:33 PM, Tom Hellem tom.hellem@... [orion565] wrote:
>
>
> Hi All-
> New to the group today. Checking out a 565 that came into my hands recently.
> I have no experience with this radio (nor any other TenTec radio), so
> thought I would throw this out to the
> group to make sure I am not missing something fundamental before proceeding.
>
> Here is the setup:
> Transmitter enabled in menu.
> Auto tuner disabled (it is installed)
> Keying loops both off, nothing hooked up to them
> Mode switch UCW
> Power setting 40 watts
> Key with mono plug in front panel jack
> Internal keyer disabled.
>
> The symptoms:
> When key is closed, radio goes into XMIT mode, RX mutes.
> Sidetone is activated
> No reading on power meter, stays right on zero
> SWR indicator on LCD screen (right side above sub rx info) says SWR 1.0:1,
> no matter what freq. the radio is tuned to and no matter what is hooked up
> to antenna port.
>
> Tried a master reset to no avail.
>
> Anybody see something I am missing?
>
> Anyone else ever have this happen?
>

> All input and comments appreciated.
>
> Thanks and 73
>
> Tom
> K0SN
>
>
>
>

11795. RE: [orion565] 565 Will Not Transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-03 15:20:43 UTC
From: <bkemp@...>
Topic: 11793 Message: 11795

I see you're in CW which I never use, but check to see if you have the Orion set up to use the mike ptt, to put the rig in transmit.

And, go through the manual again to be sure you have all the settings correct.

Jim knows his stuff? just? a FYI.
Bob

?

?

?

?

-------- Original Message --------
Subject: Re: [orion565] 565 Will Not Transmit
From: "Jim Warner jim@... [orion565]"
<orion565@yahoogroups.com>
Date: Tue, January 03, 2017 8:47 am
To: orion565@yahoogroups.com

?

TEST 1
When you close the key, what kind of current does the radio draw?
Do the panel lights dim slightly as you operate the key?
If so, the transmitter is likely making RF power but it's not being
steered to the power metering circuit and antenna port. If this is the
case, to prevent more damage, you should cease any further transmitter
testing until you determine where the RF is going.

TEST 2
If above is not applicable, can you hear the transmitter on a loose
coupled nearby receiver?

Jim WA9Z

On 1/2/2017 8:33 PM, Tom Hellem tom.hellem@... [orion565] wrote:
>
>
> Hi All-
> New to the group today. Checking out a 565 that came into my hands recently.
> I have no experience with this radio (nor any other TenTec radio), so
> thought I would throw this out to the
> group to make sure I am not missing something fundamental before proceeding.
>

> Here is the setup:
> Transmitter enabled in menu.
> Auto tuner disabled (it is installed)
> Keying loops both off, nothing hooked up to them
> Mode switch UCW
> Power setting 40 watts
> Key with mono plug in front panel jack
> Internal keyer disabled.
>
> The symptoms:
> When key is closed, radio goes into XMIT mode, RX mutes.
> Sidetone is activated
> No reading on power meter, stays right on zero
> SWR indicator on LCD screen (right side above sub rx info) says SWR 1.0:1,
> no matter what freq. the radio is tuned to and no matter what is hooked up
> to antenna port.
>
> Tried a master reset to no avail.
>
> Anybody see something I am missing?
>
>; Anyone else ever have this happen?
>
> All input and comments appreciated.
>
> Thanks and 73
>
> Tom
> K0SN
>
>
>
>

11796. Re: [orion565] 565 Will Not Transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-04 00:44:03 UTC
From: Tom Hellem
Topic: 11793 Message: 11796

Jim-
Thanks for helping on this.
Test 1- Current drawn RX only- 3A
Key Down- 3.4A
Test 2- Nothing heard on nearby RX.

73
Tom
K0SN

On Tue, Jan 3, 2017 at 7:47 AM, Jim Warner jim@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> TEST 1
> When you close the key, what kind of current does the radio draw?
> Do the panel lights dim slightly as you operate the key?
> If so, the transmitter is likely making RF power but it's not being
> steered to the power metering circuit and antenna port. If this is the
> case, to prevent more damage, you should cease any further transmitter
> testing until you determine where the RF is going.
>
> TEST 2
> If above is not applicable, can you hear the transmitter on a loose
> coupled nearby receiver?
>
> Jim WA9Z
>
> On 1/2/2017 8:33 PM, Tom Hellem tom.hellem@... [orion565] wrote:
> >
> >
> > Hi All-
> > New to the group today. Checking out a 565 that came into my hands
> recently.
> > I have no experience with this radio (nor any other TenTec radio), so
> > thought I would throw this out to the
> > group to make sure I am not missing something fundamental before
> proceeding.
> >
> > Here is the setup:
> > Transmitter enabled in menu.
> > Auto tuner disabled (it is installed)
> > Keying loops both off, nothing hooked up to them
> > Mode switch UCW
> > Power setting 40 watts

> > Key with mono plug in front panel jack
> > Internal keyer disabled.
> >
> > The symptoms:
> > When key is closed, radio goes into XMIT mode, RX mutes.
> > Sidetone is activated
> > No reading on power meter, stays right on zero
> > SWR indicator on LCD screen (right side above sub rx info) says SWR
> 1.0:1,
> > no matter what freq. the radio is tuned to and no matter what is hooked
> up
> > to antenna port.
> >
> > Tried a master reset to no avail.
> >
> > Anybody see something I am missing?
> >
> > Anyone else ever have this happen?
> >
> > All input and comments appreciated.
> >
> > Thanks and 73
> >
> > Tom
> > K0SN
> >
> >
> >
> >
>
>
>

11797. Re: [orion565] 565 Will Not Transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-06 21:01:37 UTC
From: pa1ap@...
Topic: 11793 Message: 11797

Hi,

Assuming the master reset would have put everything back to default values the orion should transmit if you insert the straight key into the back connector. Assuming you have switch mode to ucw or lcw

If you connect an imabic key to the front connector it will not transmit without changing the configuration. You will need to perform the following key sequence; press menu, select cw, select internal key on... and last but not least, switch mod to ucw or lcw.. now the keys is active and it should transmit.

What happens if transmit is working? The ALC led would light up, the power meter would move from left to right. And you should hear clicking within the 565.

Now it could be that you by accident disabled VFO assignment to transmitter... Below the ORION label you see VFOA and VFOB buttons. The first row is assignment for TX. Either VFOA or VFOB led should lit up.. Please not that you need to ensure the VFO frequency is within the legal range of the ham bands... In other words, if you have the vfo dialed to 9Mhz the subreceiver will just work fine, but the transmitter will not do much for you.

We can go in further troubleshooting if above is not helping.

Best regards, Onno de pa1ap

11798. Re: [orion565] 565 Will Not Transmit

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-06 21:10:07 UTC
From: pa1ap@...
Topic: 11793 Message: 11798

I have not been reading your message completely... The mistake seem to be the connection to the Orion. The font connector is for the imabic key and it is expected to have a stereo plug for this.. So easiest fix; connect the straight key with a 3.5 mono connector to the back cw input... That input is there for straight keys...

Of course you connect you straight key to the front panel, but you will need to change it to stereo plug first. I am not sure which "pin" you need to connect (left or right channel pin)...

I have just checked with my iambic key. Assuming vfo is assigned to tx, mode is switched to ucw / lcw and key is connected to front using stereo plug... I can transmit cw when pushing my left paddle.

In case my transmitter is not set to ucw / lcw no transmit will occur with default menu settings.

Now by far the easiest test to perform;

press the tune button... This will switch on the transmit and send out about 25 watts.. ALC led will switch on etc... That will be by far the easiest confirmation... I really should have thought about that right away.. Silly me...

Best regards, Onno de pa1ap

11799. emailing tentec

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-07 23:46:41 UTC
From: bkemp@...
Topic: 11799 Message: 11799

Anyone having success emailing Ten Tec. Tried 4 times now, no response to get some main tuning knob rubber covers....Nada, nothing and of course no phone number on their site to call them!
Are they still around or down the tubes?
Bob
wa0vrc

11800. Re: [orion565] emailing tentec

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-08 00:02:26 UTC
From: Bob McGraw K4TAX
Topic: 11799 Message: 11800

Yes. The only active e-mail address is SERVICE@TENTEC. COM.
Unfortunately between Thanksgiving and end of December they have been moving to a new location. Also they are still heavily involved with aspects of the commercial receiver order.
I suggest you send your request again to the address above.

Bob, K4TAX

Sent from my iPhone

> On Jan 7, 2017, at 5:46 PM, bkemp@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Anyone having success emailing Ten Tec. Tried 4 times now, no response to get some main tuning knob rubber covers....Nada, nothing and of course no phone number on their site to call them!
>
> Are they still around or down the tubes?
> Bob
>
> wa0vrc
>
>

11801. Re: [orion565] emailing tentec

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-08 00:12:08 UTC
From: Chuck Chandler
Topic: 11799 Message: 11801

They are repairing mine right now. Or at least it's there to be repaired.

To the best of my memory I emailed them twice and posted a query here. It was maybe a week or two before I got a response with an RMA number. When I get back into the shack I'll look up the old emails and give you some real idea of how long it took. I had heard emails are only read/returned on Mondays.

The rig was shipped December 21, arrived there the 27 due to the holiday. I believe word was one fellow recently said 2-4 weeks turnaround. So, two weeks for me is middle of next week. I'm not anticipating it that soon due to the holidays but will post here when I hear anything.

Good luck es 73 de Chuck, WS1L
On Sat, Jan 7, 2017 at 18:02 Bob McGraw K4TAX RMcGraw@Blomand.net [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Yes. The only active e-mail address is SERVICE@TENTEC. COM.
> Unfortunately between Thanksgiving and end of December they have been
> moving to a new location. Also they are still heavily involved with
> aspects of the commercial receiver order.
> I suggest you send your request again to the address above.
>
>
> Bob, K4TAX
>
>
> Sent from my iPhone
>
>
> On Jan 7, 2017, at 5:46 PM, bkemp@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
>
>
> Anyone having success emailing Ten Tec. Tried 4 times now, no response to
> get some main tuning knob rubber covers....Nada, nothing and of course no
> phone number on their site to call them!
>
> Are they still around or down the tubes?
> Bob
>
> wa0vrc
>

>
>
--
Chuck

Sent from my iPhone

Chuck Chandler
chandlerusm@...

11802. Re: [orion565] emailing tentec

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-08 14:10:22 UTC
From: Chuck Chandler
Topic: 11799 Message: 11802

Hi, Bob -

Here is my timeline. I emailed service@... on 21 November. No response. I emailed again on 15 December, and got a response with an RMA number on 19 December. The rig was shipped out on 21 December.

As noted, they were moving locations, the large wildfires in the area disrupted all aspects of life, and they are working on a large commercial order. I'd suggest emailing again, and waiting a week or so for a response. Hope you are able to find what you need!

73 de Chuck, WS1L

On Sat, Jan 7, 2017 at 5:46 PM, bkemp@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Anyone having success emailing Ten Tec. Tried 4 times now, no response to
> get some main tuning knob rubber covers....Nada, nothing and of course no
> phone number on their site to call them!
>
> Are they still around or down the tubes?
> Bob
>
> wa0vrc
>
>
>

--

==========
Chuck Chandler
chandlerusm@...
==========

11803. Re: [orion565] emailing tentec

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-08 14:26:01 UTC
From: Paolo Emanuelli
Topic: 11799 Message: 11803

emailed dec 23 2016…

obtained reply jan 3 2017…

> Il giorno 08 gen 2017, alle ore 15:10, Chuck Chandler chandlerusm@... [orion565] <orion565@yahoogroups.com> ha scritto:
>
>
> Hi, Bob -
>
> Here is my timeline. I emailed service@... <mailto:service@...> on 21 November. No response. I emailed again on 15 December, and got a response with an RMA number on 19 December. The rig was shipped out on 21 December.
>
> As noted, they were moving locations, the large wildfires in the area disrupted all aspects of life, and they are working on a large commercial order. I'd suggest emailing again, and waiting a week or so for a response. Hope you are able to find what you need!
>
> 73 de Chuck, WS1L
>
> On Sat, Jan 7, 2017 at 5:46 PM, bkemp@... <mailto:bkemp@bobkemp.com> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
>
> Anyone having success emailing Ten Tec. Tried 4 times now, no response to get some main tuning knob rubber covers....Nada, nothing and of course no phone number on their site to call them!
>
> Are they still around or down the tubes?
> Bob
>
> wa0vrc
>
>
>
>
>
>
> --
>
>
> ====================
> Chuck Chandler
> chandlerusm@... <mailto:chandlerusm@...>
> ====================

>
>

11804. fs: Flex 6300/Icom 7800/Icom PW1/Elecraft k3..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-09 07:56:08 UTC
From: larry_rj73@...
Topic: 11804 Message: 11804

Email: k4leo.e@gmail.com
Anan 200D: $2600, ANAN-100D SDR: $1,250
Yaesu FTDX 5000MP: $2,600, Yaesu FTDX-3000: $1,500
Flex 5000A: $1,600, Flex 6500: $2,500, Flex 6300:$1,800
Icom PW1: $2,200 , Icom 7600: $1800 , Icom 7800: $3,600
Alpha 9500 $4,000 , Alpha 8410 with 4CX1000A tubes: $2,600
ACOM 2000A: $3900 ,Acom 1000 Amp : $1,600
Elecraft k3: $1800, Elecraft KX3: $1600
Ameritron AL-1500: $1700 ,Ameritron AL-82: $1,300
Commander 2500: $1,400
Ten-Tec Orion II
Kenwood TS-2000LE,Kenwodd TS-950SDX,Kenwood TS 990
SteppIR 4 Element

Thanks,
Email: k4leo.e@gmail.com
K4LEO
WILLIAM E HENDERSON
TX 76518
73

11805. Orion II & Paragon avail

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-09 14:42:26 UTC
From: jim@...
Topic: 11805 Message: 11805

Fresh power supply caps, batteries, full of filters, AT, latest firmware, DC cord and manual. Clean controlled smoke free environment. $2050 shipped. Trades welcome. Contact me off group (jim at exlinesignal.com) for photos/details.

Also have a Paragon 585 avail. Rebuilt PLL and good working but has a dim display.
Jim WA9Z
641-856-7772

11806. Re: [orion565] fs: Flex 6300/Icom 7800/Icom PW1/Elecraft k3..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-10 04:39:11 UTC
From: Alek Petkovic
Topic: 11804 Message: 11806

As you are probably all aware, don't reply to this email.

It is a scam.

73, Alek
VK6APK

On 9/01/2017 3:56 PM, larry_rj73@... [orion565] wrote:
>
> Email: k4leo.e@...
> Anan 200D: $2600, ANAN-100D SDR: $1,250
> Yaesu FTDX 5000MP: $2,600, Yaesu FTDX-3000: $1,500
> Flex 5000A: $1,600, Flex 6500: $2,500, Flex 6300:$1,800
> Icom PW1: $2,200 , Icom 7600: $1800 , Icom 7800: $3,600
> Alpha 9500 $4,000 , Alpha 8410 with 4CX1000A tubes: $2,600
> ACOM 2000A: $3900 ,Acom 1000 Amp : $1,600
> Elecraft k3: $1800, Elecraft KX3: $1600
> Ameritron AL-1500: $1700 ,Ameritron AL-82: $1,300
> Commander 2500: $1,400
> Ten-Tec Orion II
> Kenwood TS-2000LE,Kenwodd TS-950SDX,Kenwood TS 990
> SteppIR 4 Element
>
> Thanks,
> Email: k4leo.e@...
> K4LEO
> WILLIAM E HENDERSON
> TX 76518
> 73
>
>
>

--
From sunny Binningup
Our new house.
https://17coronation.wordpress.com

Family Businesses:
SP Electrical. www.spelectrical.net.au
The Velvet Fox. www.facebook.com/TheVelvetFox
Smart Design Electrical. 0417 602 032
Perth Interiors. https://www.instagram.com/perthinteriors/

This email has been checked for viruses by Avast antivirus software.

https://www.avast.com/antivirus

11807. info best firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-10 20:30:52 UTC
From: Paolo Emanuelli
Topic: 11807 Message: 11807

Hi folks

I own a TT Orion 2 with 3.029 firmware….

This is my first modern TT radio…

In your opinion what is the best firmware for Orion 1/2? why?

Tnx

11808. Re: [orion565] info best firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-10 21:08:59 UTC
From: Barry N1EU
Topic: 11807 Message: 11808

The best firmware is the latest firmware. There was an excellent technical team behind firmware development of version 3 for the Orion I and II.

Barry N1EU

On Tue, Jan 10, 2017 at 8:30 PM, Paolo Emanuelli emanuellipaolo69@gmail.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi folks
>
> I own a TT Orion 2 with 3.029 firmware….
>
> This is my first modern TT radio…
>
> In your opinion what is the best firmware for Orion 1/2? why?
>
> Tnx
>
>

11809. Re: [orion565] info best firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-10 21:43:11 UTC
From: amfone
Topic: 11807 Message: 11809

I've used a beta version since I purchased the Orion new in 2003 or 4 and like it a lot. I'm sure like Barry says each one is an improvement however. I think mine is 13b5 or something like that.
I don't like the NR so maybe they improved that. I will have to see how to update it again.

On Tuesday, January 10, 2017 9:17 PM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:

  The best firmware is the latest firmware. There was an excellent technical team behind firmware development of version 3 for the Orion I and II.

Barry N1EU

On Tue, Jan 10, 2017 at 8:30 PM, Paolo Emanuelli emanuellipaolo69@... [orion565] <orion565@yahoogroups.com> wrote:

  Hi folks

I own a TT Orion 2 with 3.029 firmware….

This is my first modern TT radio…

In your opinion what is the best firmware for Orion 1/2? why?

Tnx

11810. Re: [orion565] info best firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-10 22:07:14 UTC
From: Paolo Emanuelli IK1QHB
Topic: 11807 Message: 11810

Really interesting

I m really happy abt o2.... and at present time the 3.029 seems perfect....

I miss the s meter adjustment.... but i like the apf...

I appreciate very much your comments

IK1QHB Paolo Emanuelli

> Il giorno 10 gen 2017, alle ore 22:43, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> ha scritto:
>
> I've used a beta version since I purchased the Orion new in 2003 or 4 and like it a lot. I'm sure like Barry says each one is an improvement however. I think mine is 13b5 or something like that.
>
> I don't like the NR so maybe they improved that. I will have to see how to update it again.
>
>
> On Tuesday, January 10, 2017 9:17 PM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> The best firmware is the latest firmware. There was an excellent technical team behind firmware development of version 3 for the Orion I and II.
>
> Barry N1EU
>
> On Tue, Jan 10, 2017 at 8:30 PM, Paolo Emanuelli emanuellipaolo69@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Hi folks
>
> I own a TT Orion 2 with 3.029 firmware….
>
> This is my first modern TT radio…
>
> In your opinion what is the best firmware for Orion 1/2? why?
>
> Tnx
>
>
>

>

11811. Re: [orion565] info best firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-11 08:03:00 UTC
From: Barry Simpson
Topic: 11807 Message: 11811

I have four different versions of Orion 2 firmware on my computer and I frequently swap between 3.029 and the very latest update.

However, I keep coming back to 3.029. I cannot get to like the latest version, although I do love the constant S meter reading option.

Barry VK2BJ

On 11 January 2017 at 09:07, Paolo Emanuelli IK1QHB emanuellipaolo69@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Really interesting
>
> I m really happy abt o2.... and at present time the 3.029 seems perfect....
>
> I miss the s meter adjustment.... but i like the apf...
>
> I appreciate very much your comments
>
> IK1QHB Paolo Emanuelli
>
> Il giorno 10 gen 2017, alle ore 22:43, amfone amfone20000@...
> [orion565] <orion565@yahoogroups.com> ha scritto:
>
>
>
> I've used a beta version since I purchased the Orion new in 2003 or 4 and
> like it a lot. I'm sure like Barry says each one is an improvement however.
> I think mine is 13b5 or something like that.
>
> I don't like the NR so maybe they improved that. I will have to see how to
> update it again.
>
>
> On Tuesday, January 10, 2017 9:17 PM, "Barry N1EU barry.n1eu@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> The best firmware is the latest firmware. There was an excellent
> technical team behind firmware development of version 3 for the Orion I and
> II.
>
> Barry N1EU

>
> On Tue, Jan 10, 2017 at 8:30 PM, Paolo Emanuelli
> emanuellipaolo69@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Hi folks
>
> I own a TT Orion 2 with 3.029 firmware….
>
> This is my first modern TT radio…
>
> In your opinion what is the best firmware for Orion 1/2? why?
>
> Tnx
>
>
>
>
>
>

11812. Re: [orion565] info best firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-11 10:52:51 UTC
From: Paolo Emanuelli IK1QHB
Topic: 11807 Message: 11812

..... and can you confirm....
For update the firmware for example from 3.029.... to 3.033xe.... i must charge every firmware in the middle (....3.033, 3.033xa, 3.033xd)???

IK1QHB Paolo Emanuelli

> Il giorno 10 gen 2017, alle ore 22:43, amfone amfone20000@... [orion565] <orion565@yahoogroups.com> ha scritto:
>
> I've used a beta version since I purchased the Orion new in 2003 or 4 and like it a lot. I'm sure like Barry says each one is an improvement however. I think mine is 13b5 or something like that.
>
> I don't like the NR so maybe they improved that. I will have to see how to update it again.
>
>
> On Tuesday, January 10, 2017 9:17 PM, "Barry N1EU barry.n1eu@... [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> The best firmware is the latest firmware. There was an excellent technical team behind firmware development of version 3 for the Orion I and II.
>
> Barry N1EU
>
> On Tue, Jan 10, 2017 at 8:30 PM, Paolo Emanuelli emanuellipaolo69@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Hi folks
>
> I own a TT Orion 2 with 3.029 firmware….
>
> This is my first modern TT radio…
>
> In your opinion what is the best firmware for Orion 1/2? why?
>
> Tnx
>
>
>
>

11813. Re: [orion565] info best firmware

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-11 11:06:01 UTC
From: Barry N1EU
Topic: 11807 Message: 11813

No, you just need to install the latest.

Barry N1EU

On Wed, Jan 11, 2017 at 5:52 AM, Paolo Emanuelli IK1QHB
emanuellipaolo69@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> ..... and can you confirm....
> For update the firmware for example from 3.029.... to 3.033xe.... i must
> charge every firmware in the middle (....3.033, 3.033xa, 3.033xd)???
>
> IK1QHB Paolo Emanuelli
>
> Il giorno 10 gen 2017, alle ore 22:43, amfone amfone20000@...
> [orion565] <orion565@yahoogroups.com> ha scritto:
>
>
>
> I've used a beta version since I purchased the Orion new in 2003 or 4 and
> like it a lot. I'm sure like Barry says each one is an improvement however.
> I think mine is 13b5 or something like that.
>
> I don't like the NR so maybe they improved that. I will have to see how to
> update it again.
>
>
> On Tuesday, January 10, 2017 9:17 PM, "Barry N1EU barry.n1eu@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
>
> The best firmware is the latest firmware. There was an excellent
> technical team behind firmware development of version 3 for the Orion I and
> II.
>
> Barry N1EU
>
> On Tue, Jan 10, 2017 at 8:30 PM, Paolo Emanuelli
> emanuellipaolo69@...m [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Hi folks
>
> I own a TT Orion 2 with 3.029 firmware….

>
> This is my first modern TT radio…
>
> In your opinion what is the best firmware for Orion 1/2? why?
>
> Tnx
>
>
>
>
>
>

11814. Replacing Battery

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-14 13:02:53 UTC
From: randyd@...
Topic: 11814 Message: 11814

Hello everyone... I have an Orion II that keeps loosing memory. I tried the master reset which didn't work. Does anyone have a good YouTube video or some place that describes the replacement process and parts?

Thanks for your help
Randy
KB3IFH

11815. Re: [orion565] Replacing Battery

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-14 13:43:58 UTC
From: Barry N1EU
Topic: 11814 Message: 11815

http://tentecwiki.org/doku.php?id=565battery

On Sat, Jan 14, 2017 at 1:02 PM, randyd@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hello everyone... I have an Orion II that keeps loosing memory. I tried
> the master reset which didn't work. Does anyone have a good YouTube video
> or some place that describes the replacement process and parts?
>
>
> Thanks for your help
>
> Randy
>
> KB3IFH
>
>
>

11816. Re: [orion565] Replacing Battery

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-14 14:41:50 UTC
From: kb9si@yahoo.com
Topic: 11814 Message: 11816

The battery looks a little red ic in the front of the rig. You can order a replacement I think from mouser. I replaced mine easily but recommend you use a ic extractor tool which makes it very simple.
Then your rig will remember where it should be hi..
73K-KKB9SI

Sent from Yahoo Mail on Android

On Sat, Jan 14, 2017 at 6:02 AM, randyd@... [orion565]<orion565@yahoogroups.com> wrote:

Hello everyone... I have an Orion II that keeps loosing memory. I tried the master reset which didn't work. Does anyone have a good YouTube video or some place that describes the replacement process and parts?

Thanks for your help

Randy

KB3IFH

11817. Re: [orion565] Replacing Battery

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-14 14:57:55 UTC
From: Barry N1EU
Topic: 11814 Message: 11817

I don't know about red, but the snaphat batteries I've seen are yellow.

Barry N1EU

On Sat, Jan 14, 2017 at 2:41 PM, 'kb9si@...' kb9si@...m
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> The battery looks a little red ic in the front of the rig. You can order
> a replacement I think from mouser. I replaced mine easily but recommend
> you use a ic extractor tool which makes it very simple.
>
> Then your rig will remember where it should be hi..
>
> 73
> K-K
> KB9SI
>
> Sent from Yahoo Mail on Android
> <https://overview.mail.yahoo.com/mobile/?.src=Android>
>
>
>
> Hello everyone... I have an Orion II that keeps loosing memory. I tried
> the master reset which didn't work. Does anyone have a good YouTube video
> or some place that describes the replacement process and parts?
>
>
> Thanks for your help
>
> Randy
>
> KB3IFH
>
>
>

11818. Re: [orion565] Replacing Battery

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-14 15:02:48 UTC
From: Peter Frenning [OZ1PIF]
Topic: 11814 Message: 11818

Den 14-01-2017 kl. 14:02 skrev randyd@... [orion565]:
> Hello everyone... I have an Orion II that keeps loosing memory. I
> tried the master reset which didn't work. Does anyone have a good
> YouTube video or some place that describes the replacement process and
> parts?
>
> Thanks for your help
>
> Randy
>
> KB3IFH
>
>
Last month I did mine, and wrote this little howto:

Both the 565 Orion and 566 Orion 2 are equipped with a "Snaphat" battery module, this is a Lithium Ion battery and crystal packed together in a yellow 4-legged package, which plugs into a realtime chip soldered to the control board of the Orions. This real time module has no discernable function the Orion, other than keeping the configuration data alive in CMOS RAM. One could have the thought that this was a piece of the HW design that never got implemented in the SW! While we are at it: the tuner module of the 566 is also equipped with a Lithium battry, a CR2025, but stores no configuration data in actual operation, again: HW design that never actually got implemented in the control SW!

Instead of waiting for the the battery in my my 566 to actually run down and leave me with an Orion in need of a Hard reset, I decided to make the change in time. My Orion was manufactured in 2008 and is thus 8 years old. It has been in daily use all the time, the only problem being the need to repair the A9 power distribution board (new electrolytic capacitors).

To make the switch you need the following tools:

A #10 Torx screwdriver for the 18 black screws on the rear, (don't use the small angled Torx tool delivered with the Orion, it'll drive you insane)

A #1 Phillips screwdiver for the four large screws on the side

A #0 Phillips screwdriver for the 14 (I think) screws holding the front to the main chassis

You'll also need a suitable tool to extract the Snaphat battery, it sits rather tight and can't be pulled by fingers only.

The trick is to power up the radio once you have taken it apart and positioned it for the battery switch, once the boot is completed you can safely pull the old battery and fit the new one, while at it, I switched the CR2015 battery in the tuner as well, mostly to avoid the risk of age related leakage at some point.
Now you can turn off the radio again and reassemble everything.

If you've done everything right your radio is now good to go another 8-10 years!

See http://tentecwiki.org/doku.php?id=565battery for additional information and some pictures.

--
Vy 73 de OZ1PIF/5Q2M, Peter

****
** The day Microsoft makes something **
** that doesn't suck is probably the **
** day they start making vacuum **
** cleaners ! **
** -- Anonymous Wise Guy **
****
email: peter(no-spam filler)@...
http://www.frenning.dk/oz1pif.htm
Ph. +45 4619 3239/ +45 2332 9464
Snailmail:
Peter Frenning
Ternevej 23
DK-4130 Viby Sj.
Denmark
****

11819. Re: [orion565] Replacing Battery

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-14 21:21:32 UTC
From: randyd@...
Topic: 11814 Message: 11819

Thanks for everyone help. Is this the correct battery?

Amazon.com: STMicroelectronics M4T28-BR12SH1 Battery Replaces St Microelectronics 497 3686 5 ND 497-3686-5 49736865ND M4T32-BR12SH1 Interstate ALIT0451 GE 197230 AS-3 AS-5 SRAM Datex-Ohmeda 197230 AS-3 AS-5 SRAM: Home Audio & Theater https://www.amazon.com/STMicroelectronics-M4T28-BR12SH1-Microelectronics-M4T32-BR12SH1-Datex-Ohmeda/dp/B005B0HV2O

https://www.amazon.com/STMicroelectronics-M4T28-BR12SH1-Microelectronics-M4T32-BR12SH1-Datex-Ohmeda/dp/B005B0HV2O

Amazon.com: STMicroelectronics M4T2... https://www.amazon.com/STMicroelectronics-M4T28-BR12SH1-Microelectronics-M4T32-BR12SH1-Datex-Ohmeda/dp/B005B0HV2O Buy STMicroelectronics M4T28-BR12SH1 Battery Replaces St Microelectronics 497 3686 5 ND 497-3686-5 49736865ND M4T32-BR12SH1 Interstate ALIT0451 ...

View on www.amazon.com https://www.amazon.com/STMicroelectronics-M4T28-BR12SH1-Microelectronics-M4T32-BR12SH1-Datex-Ohmeda/dp/B005B0HV2O
Preview by Yahoo

11820. Re: [orion565] Replacing Battery

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-14 21:44:00 UTC
From: Barry N1EU
Topic: 11814 Message: 11820

Yes, but it's $10 cheaper at DigiKey.

Barry N1EU

On Sat, Jan 14, 2017 at 9:21 PM, randyd@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Thanks for everyone help. Is this the correct battery?
>
> Amazon.com: STMicroelectronics M4T28-BR12SH1 Battery Replaces St
> Microelectronics 497 3686 5 ND 497-3686-5 49736865ND M4T32-BR12SH1
> Interstate ALIT0451 GE 197230 AS-3 AS-5 SRAM Datex-Ohmeda 197230 AS-3 AS-5
> SRAM: Home Audio & Theater
> <https://www.amazon.com/STMicroelectronics-M4T28-BR12SH1-Microelectronics-M4T32-BR12SH1-
Datex-Ohmeda/dp/B005B0HV2O>
> [image: image]
> <https://www.amazon.com/STMicroelectronics-M4T28-BR12SH1-Microelectronics-M4T32-BR12SH1-
Datex-Ohmeda/dp/B005B0HV2O>
> Amazon.com: STMicroelectronics M4T2...
> <https://www.amazon.com/STMicroelectronics-M4T28-BR12SH1-Microelectronics-M4T32-BR12SH1-
Datex-Ohmeda/dp/B005B0HV2O>
> Buy STMicroelectronics M4T28-BR12SH1 Battery Replaces St Microelectronics
> 497 3686 5 ND 497-3686-5 49736865ND M4T32-BR12SH1 Interstate ALIT0451 ...
> View on www.amazon.com
> <https://www.amazon.com/STMicroelectronics-M4T28-BR12SH1-Microelectronics-M4T32-BR12SH1-
Datex-Ohmeda/dp/B005B0HV2O>
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>

11821. Re: [orion565] Replacing Battery

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-14 22:01:46 UTC
From: randyd@...
Topic: 11814 Message: 11821

DONE! Thanks Barry and everyone who replied. Lets see if I blow up the radio after I get the battery :)

73
Randy
KB3IFH

11822. Re: Replacing Battery

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-15 13:14:56 UTC
From: Bernard Cohen
Topic: 11814 Message: 11822

I just did mine last week with a replacement battery from Digi-Key, part #497-3687-5-ND. Do yourself a favor and also order an IC extractor, part #K547-ND, and the whole job will go a lot easier with less chance of damage. It cost me $22.61 shipped for both items. The replacement battery was a tad larger than the original, but fits in perfectly. Note there is a keyway in the socket and a little protrusion in the battery which fits into the keyway on one end of the socket. That helps keep the right polarity. There is good information in Ten Tec Wiki. Work with a towel on your work area so as not to scratch your radio. Usually the batteries are yellow rectangular creatures, but I do recall a black on the original Orion. It's fairly straightforward, but the screws are time consuming, 34 in all, if my count was correct!
Bernie K1SA

11823. Re: [orion565] Re: Replacing Battery

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-15 14:41:41 UTC
From: Jim Warner
Topic: 11814 Message: 11823

Early on, my first flat of snaphats from a supplier, arrived neatly
arranged on anti-static mat.
Jim WA9Z

On 1/15/2017 7:14 AM, Bernard Cohen berniecohen@... [orion565] wrote:
>
>
> I just did mine last week with a replacement battery from Digi-Key, part
> #497-3687-5-ND. Do yourself a favor and also order an IC extractor,
> part #K547-ND, and the whole job will go a lot easier with less chance
> of damage. It cost me $22.61 shipped for both items. The replacement
> battery was a tad larger than the original, but fits in perfectly. Note
> there is a keyway in the socket and a little protrusion in the battery
> which fits into the keyway on one end of the socket. That helps keep the
> right polarity. There is good information in Ten Tec Wiki. Work with a
> towel on your work area so as not to scratch your radio. Usually the
> batteries are yellow rectangular creatures, but I do recall a black on
> the original Orion. It's fairly straightforward, but the screws are
> time consuming, 34 in all, if my count was correct!
>
> Bernie K1SA
>
>

11824. Re: Replacing Battery

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-16 19:25:58 UTC
From: randyd@...
Topic: 11814 Message: 11824

Thanks Bernie... I already have an IC extraction tool so I think I'm all set as soon as I get the part.

11825. Main receiver issue

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-23 15:09:44 UTC
From: n4ek@...
Topic: 11825 Message: 11825

I have been having a problem with the main receiver in my Orion II. When I first turn on the radio I have no audio out of the main receiver. If I turn the radio off and back on after a minute I then have audio. The sub receiver does not have the same problem. I am running ver. 3.033xe. I did a reinstall of the firmware and a master reset but that did not solve the problem. Anybody else ever experience this ?
Thanks, N4EK

11826. Re: [orion565] Main receiver issue

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-23 15:15:48 UTC
From: Bob McGraw K4TAX
Topic: 11825 Message: 11826

Sounds like the capacitors on the power distribution board may need replacement. If you've not done this, it is suggested. In the archives you will find a list of materials in the form of a "kit" where you can order all required items.

73

Bob, K4TAX

On 1/23/2017 9:09 AM, n4ek@... [orion565] wrote:
>
> I have been having a problem with the main receiver in my Orion II.
> When I first turn on the radio I have no audio out of the main
> receiver. If I turn the radio off and back on after a minute I then
> have audio. The sub receiver does not have the same problem. I am
> running ver. 3.033xe. I did a reinstall of the firmware and a master
> reset but that did not solve the problem. Anybody else ever experience
> this ?
> Thanks, N4EK
>
>
>

11827. Re: [orion565] Main receiver issue

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-23 15:18:11 UTC
From: Bob McGraw K4TAX
Topic: 11825 Message: 11827

Further to my earlier, see the following:

"Here's a link to a $25 Orion spares kit you can order from Mouser with
caps, battery and encoders:

http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=0f1239a85b

I don't know the p/n of the DC connector so it wasn't included. I
haven't personally tried the 20mm shaft encoders but others report that
they work fine. Use at your own risk.

73, Barry N1EU"

73
Bob, K4TAX

On 1/23/2017 9:09 AM, n4ek@... [orion565] wrote:
>
> I have been having a problem with the main receiver in my Orion II.
> When I first turn on the radio I have no audio out of the main
> receiver. If I turn the radio off and back on after a minute I then
> have audio. The sub receiver does not have the same problem. I am
> running ver. 3.033xe. I did a reinstall of the firmware and a master
> reset but that did not solve the problem. Anybody else ever experience
> this ?
> Thanks, N4EK
>
>
>

11828. Re: [orion565] Main receiver issue

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-23 16:00:00 UTC
From: Barry N1EU
Topic: 11825 Message: 11828

It's suggested assuming you're handy with a soldering iron that is ;-)

73, Barry N1EU

On Mon, Jan 23, 2017 at 10:15 AM, Bob McGraw K4TAX RMcGraw@Blomand.net [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Sounds like the capacitors on the power distribution board may need
> replacement. If you've not done this, it is suggested. In the archives
> you will find a list of materials in the form of a "kit" where you can
> order all required items.
>
> 73
>
> Bob, K4TAX
>
> On 1/23/2017 9:09 AM, n4ek@... [orion565] wrote:
>
>
>
> I have been having a problem with the main receiver in my Orion II. When I
> first turn on the radio I have no audio out of the main receiver. If I turn
> the radio off and back on after a minute I then have audio. The sub
> receiver does not have the same problem. I am running ver. 3.033xe. I did a
> reinstall of the firmware and a master reset but that did not solve the
> problem. Anybody else ever experience this ?
> Thanks, N4EK
>
>
>
>
>

11829. RE: [orion565] Main receiver issue

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-23 16:12:13 UTC
From: Stan
Topic: 11825 Message: 11829

My Orion II had the same symptoms. Replacing the caps on the A9 board solved it.

73,

Stan, W4AG

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Monday, January 23, 2017 10:10 AM
To: orion565@yahoogroups.com
Subject: [orion565] Main receiver issue

I have been having a problem with the main receiver in my Orion II. When I first turn on the radio I have no audio out of the main receiver. If I turn the radio off and back on after a minute I then have audio. The sub receiver does not have the same problem. I am running ver. 3.033xe. I did a reinstall of the firmware and a master reset but that did not solve the problem. Anybody else ever experience this ?
Thanks, N4EK

[Non-text portions of this message have been removed]

11830. Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-23 19:23:36 UTC
From: hauns@...
Topic: 11830 Message: 11830

Greetings Folks!

I am considering a trade of my Icom rig for an Orion II 566AT. (Serial 10C 10805)

The gentleman I have been talking with informed me that the rig works 100%. I am an avid DX'er and casual contester. I am looking for a quiet rx rig with a dual receiver. I have heard that this rig has fantastic reviews for both of my purposes.

I have a couple of questions for the group.

1. Do all model 566 rigs have the SUB receiver?
I understand that there is a high quality SUB model RX-366 and a lower quality model 81907 A6.

2. Is it difficult to find a place to have this particular rig serviced and are parts fairly accessible?

I have heard very good things about this radio and am very excited about the low noise floor on rx. However, I don't want to be stuck with an expensive rig I can't get repaired if something goes wrong.

I very much appreciate your feedback!

-73
Hauns
KI0GU

11831. Re: [orion565] Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-23 19:29:48 UTC
From: Wayne Bethoney
Topic: 11830 Message: 11831

Hauns,

Yes you want the 366 sub receiver not the standard receiver. You also want a full compliment of filters if possible as well. The main receiver has six filters and the 366 takes three. Finally download the latest software release. This reflector has great info on who can repair your TENTEC if necessary. Good Luck.

Wayne/WC1C

From: orion565@yahoogroups.com <orion565@yahoogroups.com> on behalf of hauns@...
[orion565] <orion565@yahoogroups.com>
Sent: Monday, January 23, 2017 2:23 PM
To: orion565@yahoogroups.com
Subject: [orion565] Purchase of Orion II

Greetings Folks!

I am considering a trade of my Icom rig for an Orion II 566AT. (Serial 10C 10805)

The gentleman I have been talking with informed me that the rig works 100%. I am an avid DX'er and casual contester. I am looking for a quiet rx rig with a dual receiver. I have heard that this rig has fantastic reviews for both of my purposes.

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I have heard very good things about this radio and am very excited about the low noise floor on rx. However, I don't want to be stuck with an expensive rig I can't get repaired if something goes wrong.

I very much appreciate your feedback!

-73

Hauns

KI0GU

11832. Re: [orion565] Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-23 19:41:05 UTC
From: Barry N1EU
Topic: 11830 Message: 11832

I don't generally agree. The RX366 is really only needed for demanding operation such as serious contesting and low band dx'ing.

Barry N1EU

On Mon, Jan 23, 2017 at 2:29 PM, Wayne Bethoney wbethoney@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hauns,
>
>
> Yes you want the 366 sub receiver not the standard receiver.
> You also want a full compliment of filters if possible as well. The main
> receiver has six filters and the 366 takes three. Finally download the
> latest software release. This reflector has great info on who can repair
> your TENTEC if necessary. Good Luck.
>
>
>
>
> Wayne/WC1C
>
>
> ------------------------------
> *From:* orion565@yahoogroups.com <orion565@yahoogroups.com> on behalf of
> hauns@... [orion565] <orion565@yahoogroups.com>
> *Sent:* Monday, January 23, 2017 2:23 PM
> *To:* orion565@yahoogroups.com
> *Subject:* [orion565] Purchase of Orion II
>
>
>
> Greetings Folks!
>
>
> I am considering a trade of my Icom rig for an Orion II 566AT. (Serial 10C
> 10805)
>
>
> The gentleman I have been talking with informed me that the rig works
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> rx rig with a dual receiver. I have heard that this rig has fantastic
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>

>
> I have a couple of questions for the group.
>
>
> 1. Do all model 566 rigs have the SUB receiver?
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> quality model 81907 A6.
>
>
> 2. Is it difficult to find a place to have this particular rig serviced
> and are parts fairly accessible?
>
>
> I have heard very good things about this radio and am very excited about
> the low noise floor on rx. However, I don't want to be stuck with an
> expensive rig I can't get repaired if something goes wrong.
>
>
> I very much appreciate your feedback!
>
>
> -73
>
> Hauns
>
> KI0GU
>
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>
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>
>

11833. Re: [orion565] Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-23 20:04:54 UTC
From: Tony Sokol
Topic: 11830 Message: 11833

I agree with Barry. The main receiver which you use 90% of the time is superb. The second receiver (which they all have) is not that bad and gives you general coverage to boot. The R366 was an option and hard to find. I have the Orion II with standard receiver, Omni VII, Flex 6500, Collins, Drake, etc., etc., etc.. My Orion is not going anywhere soon if ever! ☐

73
Tony - W9JXN

Sent from my iPhone

> On Jan 23, 2017, at 1:41 PM, Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I don't generally agree. The RX366 is really only needed for demanding operation such as serious contesting and low band dx'ing.
>
> Barry N1EU
>
>> On Mon, Jan 23, 2017 at 2:29 PM, Wayne Bethoney wbethoney@hotmail.com [orion565] <orion565@yahoogroups.com> wrote:
>>
>> Hauns,
>>
>>
>> Yes you want the 366 sub receiver not the standard receiver. You also want a full compliment of filters if possible as well. The main receiver has six filters and the 366 takes three. Finally download the latest software release. This reflector has great info on who can repair your TENTEC if necessary. Good Luck.
>>
>>
>> Wayne/WC1C
>>
>>
>> From: orion565@yahoogroups.com <orion565@yahoogroups.com> on behalf of hauns@... [orion565] <orion565@yahoogroups.com>
>> Sent: Monday, January 23, 2017 2:23 PM
>> To: orion565@yahoogroups.com
>> Subject: [orion565] Purchase of Orion II
>>
>>
>> Greetings Folks!
>>
>>
>> I am considering a trade of my Icom rig for an Orion II 566AT. (Serial 10C 10805)
>>
>>

>>
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>>
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>>
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>>
>>
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>>
>>
>> I have heard very good things about this radio and am very excited about the low noise floor on rx. However, I don't want to be stuck with an expensive rig I can't get repaired if something goes wrong.
>>
>>
>> I very much appreciate your feedback!
>>
>>
>> -73
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>> Hauns
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>> KI0GU
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11834. Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-23 20:12:58 UTC
From: hauns@...
Topic: 11830 Message: 11834

How easily can you find/obtain the RX366 or 81907? And I am assuming installation is fairly straight forward?

The current owner also alluded that the new owner of Ten-Tec will be possibly re-selling the Orion II sometime this year. Can anyone speak to this?

I have sent them an email but have not heard back yet.

Hauns
KI0GU

11835. Re: [orion565] Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-23 20:23:40 UTC
From: hauns@...
Topic: 11830 Message: 11835

Thank you for the informative feedback guys!

I have an email into the owner to inquire on the filters. He told me that there are a "belly" of filters on this rig. However he didn't specify what filters he had.

Looks like I will be an owner of a Ten-Tec soon - will look nice next to my Ten-Tec 238 tuner which has been tried and true for almost 10 years now. And this will be my first Ten-Tec radio experience.

Excited to experience the change!

-73
Hauns
KI0GU

11836. Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-24 12:01:00 UTC
From: terry foskey
Topic: 11830 Message: 11836

At one time, I had an Orion II with a 366 subreceiver sitting beside an Orion 1 with the standard subreceiver and I saw no discernible difference on weak DX stations. I'm not convinced the difference is worth the effort. I'm sure on paper it's better, just my ears or my antenna impact the slight edge in performance. Just about all my operating is weak signal DX, my antenna situation probably is the weak link in the whole equation with my beam only up about 40 feet. I continue to own the Orion 1 paired with an ICOM 7800 and on some stations the Orion 1 is best and on others the 7800 gets the nod....
Terry, N5TF

11837. Orion 565 transmit PWR / ALC

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-24 16:00:03 UTC
From: pa1ap@...
Topic: 11837 Message: 11837

Greetings,

Recently my orion 565 stopped transmitting with reliable power output. Maybe the experience I gained can help others in future.

The symptoms were ;
switching between ANT1 and ANT2 changed swr / pwr out while connected to dummy load output power was above 140Watts at cold start... and dropped to 60Watts (or less) after warming up for couple of hours swr as indicated on the screen varied from very low to very high while connected to dummy load

The cure for my situation;
I found that the antenna relais did not make good contact. At first I have used a small program to switch it many times in attempt to clean the contacts. It did help and after a few hundred switches both power and swr became more of less stable as expected. However after the unit cooled down overnight the problem occured again.
I checked the ALC board and found that the ALC potentiometer made poor contact. Pressing the potentiometer plastic was sufficient to change the output power. Turning the potentiometer a couple of times did not help and adjustment was very sensitive. It was either way to much power or degrading output over time. The adjustment zone was so small it was near impossible to make it reliable. So I concluded at the time that the potentiometer was not reliable and replaced it by a new one. Adjustment became a lot easier.. Mission completed.... celebration... party... Until three days later my orion had zero power output. Followed the circuitry and found that the filterboard residing upper left corner was part of the ALC circuitry too. The swr bridge was working as expected. Than I started putting pressure at the board and I found the output power following my touching. Unscrewed the board and removed it from its chassis connector but left the various coax cables in place. Decided to insert/remove the board a couple of times to "clean" the contacts and after remounting it I learned power became very stable.

It has been a combination of bad luck I guess and perhaps its a unique occasion. But it might help others when the orion shows the behavior above.

Couple of learning items;

The PA is connected to ALC using a small wire which connects to the filter board upper left corner. if you disconnect this wire, the output power is zero. From the PA there is an "undocumented" wire which connects to the ALC circuit as well. This wire is supposed to be used to monitor the total current (Ic) and if it exceeds 25Amps it should reduce output power. This control is done through the potentiometer on the alc board (below speaker) and when you need to adjust ALC keep in mind that the Ic potentiometer has also impact on the ALC voltage. I checked the DC power relais in my orion (the board was on my desk anyway) and I found it was seriously burned in. The contacts were pretty much melted and although it still made good contact I decided to replace this relais too. The swr indication on the orion is mediocre at best. When the power output is maximum the indication is okish but when decreasing output power the indication varies and strange enough goes up before you

reach minimum output power. And yes there is a potentiometer on the ALC board to calibrate the swr value but all you can do is increasing the value as measured. Maybe my orion still has an issue with that circuit but I could not find anything wrong from component point of view. To me it looks like the ratio between forward / reflected power is not measured reliable enough. The relais for ANT1/2 and DC power are cheap components to order. In total it costs less than $5 so not worth to repair. The DC relais is available with different encapsulation and you need to choose the version where the relais has a removable / clip on enclosure.
Funny enough the ALC is also processed by the CPU (through ADC) and hence you need to take this behavior into account while adjusting the alc. I found that the ALC potentiometer adjustment can match the output power as visible in the screen pretty accurately. setting 50 Watts can really be 50Watts etc. But the power meter indication is a different story. Right now it follows pretty accurately from 10 watts until 70Watts on the power meter. But above 70 watts it all happens in the area between 70-80 watts. Now I could of course change the power meter level on the meter but there is a catch. When I key the transmitter I noticed that key on results in a significant spike on the power meter after which it quickly settles at a lower indication. If I would adjust the power meter indication at 100Watts the meter spike can be heard as a "tick" against the mechanical limit.. So I decided to accept the compromise and left the meter max value at about 80 watts.

I do not know if some of the points as described above are "normal" or if my Orion has weird behavior and requires further investigation. Maybe someone can confirm similar behavior(s)?

best regards, Onno de pa1ap

11838. Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-24 16:04:06 UTC
From: pa1ap@...
Topic: 11830 Message: 11838

I don't think the goal of the sub receiver upgrade was improving small signal detection but much more about being able to handle big signals. So contest band conditions which rendered the original sub receiver useless. Split frequency with the new sub received under those conditions would work like a charm without desensing effects. Thats my understanding at least ;-) best regards, Onno de pa1ap

11839. Re: [orion565] Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-24 16:16:26 UTC
From: Barry N1EU
Topic: 11830 Message: 11839

What Onno says is generally true. The RX366 isn't completely bullet-proof but it's a huge improvement over the stock subreceiver in terms of strong signal handling on the ham bands. It also allowed for precise synchronization of the oscillators on the main and subreceivers.

Barry N1EU

On Tue, Jan 24, 2017 at 11:04 AM, pa1ap@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I don't think the goal of the sub receiver upgrade was improving small
> signal detection but much more about being able to handle big signals. So
> contest band conditions which rendered the original sub receiver useless.
> Split frequency with the new sub received under those conditions would work
> like a charm without desensing effects. Thats my understanding at least
> ;-) best regards, Onno de pa1ap
>
>

11840. re: More on Orion II Main RX

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-24 22:42:55 UTC
From: n4ek@...
Topic: 11840 Message: 11840

Following up on the post from yesterday about the main rx problems I wanted to make sure everybody read the complete email as the sub rx does not have the same problem. Looking at the block diagram it appears that the A9 board powers both the main and sub receiver. Why is the main the only one affected by the board causing no audio to be there until it is powered off and back on ?
Thanks,
N4EK

I have been having a problem with the main receiver in my Orion II. When I first turn on the radio I have no audio out of the main receiver. If I turn the radio off and back on after a minute I then have audio. The sub receiver does not have the same problem. I am running ver. 3.033xe. I did a reinstall of the firmware and a master reset but that did not solve the problem. Anybody else ever experience this ?

11841. RE: [orion565] Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-24 22:45:27 UTC
From: w4my@...
Topic: 11830 Message: 11841

Hauns:

I'm a former Icom guy who traded up to the Ten Tec. Will NEVER go back! Hi

My Orion II has the RX-366 sub receiver and the 600 Hz CW roofing filters in both front ends, but that's it. The DSP does a VERY GOOD filtering job without them. I once had to do a Master reset and forgot to tell the O2 it had filters and I went a long time with them unknowingly disabled, including some major contests. I guess I'm not that much of a contester because I didn't notice the difference. I'm sure there is a difference, but unless you are a WRTC caliber contester you'd be fine without them in my opinion.

The RX-366 adjacent large signal handling is every bit as good as the main RX. I never had experienced the old standard sub receiver, so can't speak to that, but the '366 is very good.

My 2 cents

Marty / W4MY

-----Original Message-----
From: "hauns@... [orion565]" <orion565@yahoogroups.com>
Sent: Monday, January 23, 2017 1:23pm
To: orion565@yahoogroups.com
Subject: [orion565] Purchase of Orion II

Greetings Folks!

I am considering a trade of my Icom rig for an Orion II 566AT. (Serial 10C 10805)

The gentleman I have been talking with informed me that the rig works 100%. I am an avid DX'er and casual contester. I am looking for a quiet rx rig with a dual receiver. I have heard that this rig has fantastic reviews for both of my purposes.

I have a couple of questions for the group.

1. Do all model 566 rigs have the SUB receiver?
I understand that there is a high quality SUB model RX-366 and a lower quality model 81907 A6.

2. Is it difficult to find a place to have this particular rig serviced and are parts fairly accessible?

I have heard very good things about this radio and am very excited about the low noise floor on rx. However, I don't want to be stuck with an expensive rig I can't get repaired if something goes wrong.

I very much appreciate your feedback!

-73
Hauns
KI0GU

11842. RE: [orion565] Main receiver issue

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-24 22:57:59 UTC
From: w4my@...
Topic: 11825 Message: 11842

Try reloading the firmware.....again. Yes, I know that sounds silly. I had exactly the same problem you describe a good while ago after doing a firmware upgrade. I finely got hold of John Henry (when he was still at TT) after much wrestling with Paul Clinton telling me I had a grounding issue.

Long story short, John Henry had me reload the firmware. Same problem. He told me to load it again a third time (I was skeptical) and that was the charm. Problem solved. Still using the same version today (3.033xe)

Go figure

Marty / W4MY

-----Original Message-----
From: "n4ek@... [orion565]" <orion565@yahoogroups.com>
Sent: Monday, January 23, 2017 9:09am
To: orion565@yahoogroups.com
Subject: [orion565] Main receiver issue

I have been having a problem with the main receiver in my Orion II. When I first turn on the radio I have no audio out of the main receiver. If I turn the radio off and back on after a minute I then have audio. The sub receiver does not have the same problem. I am running ver. 3.033xe. I did a reinstall of the firmware and a master reset but that did not solve the problem. Anybody else ever experience this ?
Thanks, N4EK

11843. Re: [orion565] Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-24 23:38:19 UTC
From: Wayne Staples
Topic: 11830 Message: 11843

Hi Hauns

I agree with Barry also the standard sub rx is at least as good as the rx in the Ten Tec Jupiter, the RX366 is good but not the worth the added cost and the time it will take to find one and the RX366 does not have general coverage receive. You will find yourself using the main RX 90% of the time which is one of the best receivers in the game. I have Orion I with standard sub RX and ATU that is as good as if not better than the Orion II except for the colour display. What ever way you go you will find the Orion I or II an excellent choice.

73 Wayne VK4EU

On 24/01/17 06:12, hauns@... [orion565] wrote:
>
>
> How easily can you find/obtain the RX366 or 81907? And I am assuming
> installation is fairly straight forward?
>
> The current owner also alluded that the new owner of Ten-Tec will be
> possibly re-selling the Orion II sometime this year. Can anyone speak
> to this?
>
> I have sent them an email but have not heard back yet.
>
> Hauns
> KI0GU
>
>
>

11844. Orion Y1 crystal needed

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-25 04:10:21 UTC
From: hmanonbass@...
Topic: 11844 Message: 11844

Purchased a nice used O2, seems to work fine EXCEPT frequency calibration.
Did some investigation, the adjustment on the Y1 oscilator is broken.
I need to source a new one! I've googled it and have yet to be able to find one.
I have also sent TT/RKR a request to purchase one.

Anybody know where I might find one?

Thanks in advance...

N8OXC

11845. Re: [orion565] Orion Y1 crystal needed

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-25 13:32:47 UTC
From: Bob McGraw K4TAX
Topic: 11844 Message: 11845

Regarding the request for the crystal, be sure you use the e-mail address SERVICE@.... At present that is the only e-mail address being used for parts and service and any other communications. RKR has no longer any association with Tentec.

73

Bob, K4TAX

On 1/24/2017 10:10 PM, hmanonbass@... [orion565] wrote:
>
> Purchased a nice used O2, seems to work fine EXCEPT frequency calibration.
>
> Did some investigation, the adjustment on the Y1 oscilator is broken.
>
> I need to source a new one! I've googled it and have yet to be able to
> find one.
>
> I have also sent TT/RKR a request to purchase one.
>
>
> Anybody know where I might find one?
>
>
> Thanks in advance...
>
>
> N8OXC
>
>

11846. RE: [orion565] Orion Y1 crystal needed

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-25 14:00:49 UTC
From: <bkemp@...>
Topic: 11844 Message: 11846

Good luck...8-9 emails to them over the last 2 months and NOTHING back from them.

Don't know what's up with them but very poor communication.

Bob

wa0vrc

?

?

?

?

?

-------- Original Message --------
Subject: Re: [orion565] Orion Y1 crystal needed
From: "Bob McGraw K4TAX RMcGraw@... [orion565]"
<orion565@yahoogroups.com>
Date: Wed, January 25, 2017 7:32 am
To: orion565@yahoogroups.com

?

Regarding the request for the crystal, be sure you use the e-mail address SERVICE@....?? At present that is the only e-mail address being used for parts and service and any other communications.?? RKR has no longer any association with Tentec.

73

Bob, K4TAX

On 1/24/2017 10:10 PM, hmanonbass@...m [orion565] wrote:

?

Purchased a nice used O2, seems to work fine EXCEPT frequency calibration.

Did some investigation, the adjustment on the Y1 oscilator is broken.

I need to source a new one! I've googled it and have yet to be able to find one.

I have also sent TT/RKR a request to purchase one.

Anybody know where I might find one?

Thanks in advance...

N8OXC

11847. Re: [orion565] Orion Y1 crystal needed

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-25 14:46:04 UTC
From: Bob McGraw K4TAX
Topic: 11844 Message: 11847

Starting about Thanksgiving they were moving to a different building in Sevierville. In my speaking with Mike Dishop, the move took several weeks, preparing the building, installing the phone system, electric service, internet service along with the physical move of all equipment and inventory.

At present and for some time, only one person on a part time basis is dedicated to responding to e-mail and other inquiries. Yep, things are slow but at least they are still in existence, in business repairing radios and working their commercial orders.

73

Bob, K4TAX

On 1/25/2017 8:00 AM, bkemp@... [orion565] wrote:
>
> Good luck...8-9 emails to them over the last 2 months and NOTHING back
> from them.
>
> Don't know what's up with them but very poor communication.
> Bob
> wa0vrc
>
> -------- Original Message --------
> Subject: Re: [orion565] Orion Y1 crystal needed
> From: "Bob McGraw K4TAX RMcGraw@...
> <mailto:RMcGraw@...> [orion565]"
> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
> Date: Wed, January 25, 2017 7:32 am
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>
> Regarding the request for the crystal, be sure you use the e-mail
> address SERVICE@.... At present that is the only e-mail
> address being used for parts and service and any other
> communications. RKR has no longer any association with Tentec.
>
> 73
> Bob, K4TAX
>
>
> On 1/24/2017 10:10 PM, hmanonbass@... [orion565] wrote:
>> Purchased a nice used O2, seems to work fine EXCEPT frequency
>> calibration.
>> Did some investigation, the adjustment on the Y1 oscilator is broken.
>> I need to source a new one! I've googled it and have yet to be

>> able to find one.
>> I have also sent TT/RKR a request to purchase one.
>>
>> Anybody know where I might find one?
>>
>> Thanks in advance...
>>
>> N8OXC
>
>

11848. RE: [orion565] Orion Y1 crystal needed

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-25 14:59:42 UTC
From: <bkemp@...>
Topic: 11844 Message: 11848

Busy as they are, a quick email stating that such as a (automatic reply kind of deal) might be in order.

Just a thought!!

Bob

?

?

-------- Original Message --------
Subject: Re: [orion565] Orion Y1 crystal needed
From: "Bob McGraw K4TAX RMcGraw@... [orion565]"
<orion565@yahoogroups.com>
Date: Wed, January 25, 2017 8:46 am
To: orion565@yahoogroups.com

?

Starting about Thanksgiving they were moving to a different building in Sevierville. In my speaking with Mike Dishop, the move took several weeks, preparing the building, installing the phone system, electric service, internet service along with the physical move of all equipment and inventory.

At present and for some time, only one person on a part time basis is dedicated to responding to e-mail and other inquiries.? Yep, things are slow but at least they are still in existence, in business repairing radios and working their commercial orders.

73

Bob, K4TAX

On 1/25/2017 8:00 AM, bkemp@... [orion565] wrote:

?

Good luck...8-9 emails to them over the last 2 months and NOTHING back from them.

Don't know what's up with them but very poor communication.

Bob

wa0vrc

?

?

?

?

?

-------- Original Message --------
Subject: Re: [orion565] Orion Y1 crystal needed
From: "Bob McGraw K4TAX RMcGraw@...t [orion565]"
<orion565@yahoogroups.com>
Date: Wed, January 25, 2017 7:32 am
To: orion565@yahoogroups.com

?

Regarding the request for the crystal, be sure you use the e-mail address SERVICE@....?? At present that is the only e-mail address being used for parts and service and any other communications.?? RKR has no longer any association with Tentec.

73

Bob, K4TAX

On 1/24/2017 10:10 PM, hmanonbass@... [orion565] wrote:

?

Purchased a nice used O2, seems to work fine EXCEPT frequency calibration.

Did some investigation, the adjustment on the Y1 oscilator is broken.

I need to source a new one! I've googled it and have yet to be able to find one.

I have also sent TT/RKR a request to purchase one.

Anybody know where I might find one?

Thanks in advance...

N8OXC

11849. Re: [orion565] Orion Y1 crystal needed

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-25 15:11:56 UTC
From: Bob McGraw K4TAX
Topic: 11844 Message: 11849

Oh, I agree however for a period of time they had neither e-mail nor
phone service as I understand. I am aware of efforts underway to
improve things in regard to communications.

73
Bob, K4TAX

On 1/25/2017 8:59 AM, bkemp@... [orion565] wrote:
>
> Busy as they are, a quick email stating that such as a (automatic
> reply kind of deal) might be in order.
> Just a thought!!
> Bob
>
> **
> **
> **
> **
> **
> **
> **
> **
> **
>
> -------- Original Message --------
> Subject: Re: [orion565] Orion Y1 crystal needed
> From: "Bob McGraw K4TAX RMcGraw@...
> <mailto:RMcGraw@...> [orion565]"
> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
> Date: Wed, January 25, 2017 8:46 am
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>
> Starting about Thanksgiving they were moving to a different
> building in Sevierville. In my speaking with Mike Dishop, the
> move took several weeks, preparing the building, installing the
> phone system, electric service, internet service along with the
> physical move of all equipment and inventory.
>
> At present and for some time, only one person on a part time basis
> is dedicated to responding to e-mail and other inquiries. Yep,
> things are slow but at least they are still in existence, in
> business repairing radios and working their commercial orders.
> 73
> Bob, K4TAX
>

> On 1/25/2017 8:00 AM, bkemp@... [orion565] wrote:
>> Good luck...8-9 emails to them over the last 2 months and NOTHING
>> back from them.
>>
>> Don't know what's up with them but very poor communication.
>> Bob
>> wa0vrc
>>
>> -------- Original Message --------
>> Subject: Re: [orion565] Orion Y1 crystal needed
>> From: "Bob McGraw K4TAX RMcGraw@...
>> <mailto:RMcGraw@...> [orion565]"
>> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>>
>> Date: Wed, January 25, 2017 7:32 am
>> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
>>
>> Regarding the request for the crystal, be sure you use the
>> e-mail address SERVICE@.... At present that is the
>> only e-mail address being used for parts and service and any
>> other communications. RKR has no longer any association
>> with Tentec.
>> 73
>> Bob, K4TAX
>>
>>
>> On 1/24/2017 10:10 PM, hmanonbass@... [orion565] wrote:
>>> Purchased a nice used O2, seems to work fine EXCEPT
>>> frequency calibration.
>>> Did some investigation, the adjustment on the Y1 oscilator
>>> is broken.
>>> I need to source a new one! I've googled it and have yet to
>>> be able to find one.
>>> I have also sent TT/RKR a request to purchase one.
>>>
>>> Anybody know where I might find one?
>>>
>>> Thanks in advance...
>>>
>>> N8OXC
>>
>
>

11850. 366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-25 15:12:23 UTC
From: Terry Foskey
Topic: 11850 Message: 11850

366 not worth the difference in performance IMHO. You guys wanting to argue the merits of IMD that's a given considering filtering on board but if you go back to Tentec literature wasn't one of the selling points weak signal performance some it via LO low noise performance and ability to use signals from both receivers simultaneously via aural distribution?

N5TF

Sent from my iPhone

11851. Re: [orion565] 366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-25 15:24:34 UTC
From: Bob McGraw K4TAX
Topic: 11850 Message: 11851

As I recall, the new receiver was intended to provide enhanced performance over the original sub-receiver. A number of kits were made available but it seems the ham market wasn't near as interested as initially thought. Thus it was rather quickly discontinued. All this happened about the time the Orion II was dropped from production. I would not expect to find a 366 receiver kit that is not installed in an Orion.

The pricing on the upgrade for the 2nd receiver was in the order of $700 or so. Many thought this was excessive. Maybe so, but in looking at the price for the 2nd receiver for the Elecraft K3S, which I believe is comparable, it is $689.95 plus filters at some $150 each.

73

Bob, K4TAX

On 1/25/2017 9:12 AM, Terry Foskey n5tf@... [orion565] wrote:
>
> 366 not worth the difference in performance IMHO. You guys wanting to
> argue the merits of IMD that's a given considering filtering on board
> but if you go back to Tentec literature wasn't one of the selling
> points weak signal performance some it via LO low noise performance
> and ability to use signals from both receivers simultaneously via
> aural distribution?
>
> N5TF
>
> Sent from my iPhone
>
>

11852. Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-25 15:55:50 UTC
From: hauns@...
Topic: 11830 Message: 11852

All very informative and helpful feedback guys!

I received an email from Robert Marine at TenTec today. It is good to see the company is still alive and supporting their products. He informed me that they still are repairing the Orion II! The only item that they can not support is the logic board as they are no longer available.

So I have 2 questions.

1. Has anyone heard or seen a logic board fail under normal use?

2. Is there an alternative available for the logic board if it fails?

I am less nervous about my purchase now that I have some assurance from both this group and TenTec directly.

-73
Hauns
KI0GU

11853. Re: [orion565] 366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-25 16:04:33 UTC
From: Barry N1EU
Topic: 11850 Message: 11853

This is generally true but the actual production timing was that Orion II sales continued for 18 months after the introduction of the RX366 (Jan 2012) and RX366 sales continues for about 10 months after the Orion II was discontinued (July 2013)

The RX366 design cycle was lightning fast from concept to beta to production since it was heavily based on the Eagle receiver. The beta units worked flawlessly from the start.

Barry N1EU

On Wed, Jan 25, 2017 at 10:24 AM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> As I recall, the new receiver was intended to provide enhanced performance
> over the original sub-receiver. A number of kits were made available but
> it seems the ham market wasn't near as interested as initially thought.
> Thus it was rather quickly discontinued. All this happened about the time
> the Orion II was dropped from production. I would not expect to find a
> 366 receiver kit that is not installed in an Orion.
>
> The pricing on the upgrade for the 2nd receiver was in the order of $700
> or so. Many thought this was excessive. Maybe so, but in looking at the
> price for the 2nd receiver for the Elecraft K3S, which I believe is
> comparable, it is $689.95 plus filters at some $150 each.
>
> 73
>
> Bob, K4TAX
>
> On 1/25/2017 9:12 AM, Terry Foskey n5tf@... [orion565] wrote:
>
>
>
>
> 366 not worth the difference in performance IMHO. You guys wanting to
> argue the merits of IMD that's a given considering filtering on board but
> if you go back to Tentec literature wasn't one of the selling points weak
> signal performance some it via LO low noise performance and ability to use
> signals from both receivers simultaneously via aural distribution?
>
> N5TF
>
> Sent from my iPhone
>

>
>
>

11854. Re: [orion565] 366 Receiver

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-25 16:41:10 UTC
From: k7ec@...
Topic: 11850 Message: 11854

I actually have an RX366 in each of my Orion IIs and find that in a number of cases that it is a better receiver than the main Orion II receiver. Not everywhere, definitely in some places. I live in a very rural area without high power AM broadcast stations, so I had the AM Broadcast band filter removed from both of my sub receivers, and that turned the RX366 into a super DX AM Broadcast band receiver. I did this so that when I got tired of using them on the Ham Bands, I could listen to country western music in very high quality!

73 es Gud DX,

Kirby, K7EC

> This is generally true but the actual production timing was that Orion II
> sales continued for 18 months after the introduction of the RX366 (Jan
> 2012) and RX366 sales continues for about 10 months after the Orion II was
> discontinued (July 2013)
>
> The RX366 design cycle was lightning fast from concept to beta to
> production since it was heavily based on the Eagle receiver. The beta
> units worked flawlessly from the start.
>
> Barry N1EU
>
> On Wed, Jan 25, 2017 at 10:24 AM, Bob McGraw K4TAX RMcGraw@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
>>
>>
>> As I recall, the new receiver was intended to provide enhanced
>> performance
>> over the original sub-receiver. A number of kits were made available
>> but
>> it seems the ham market wasn't near as interested as initially thought.
>> Thus it was rather quickly discontinued. All this happened about the
>> time
>> the Orion II was dropped from production. I would not expect to find a
>> 366 receiver kit that is not installed in an Orion.
>>
>> The pricing on the upgrade for the 2nd receiver was in the order of $700
>> or so. Many thought this was excessive. Maybe so, but in looking at
>> the
>> price for the 2nd receiver for the Elecraft K3S, which I believe is
>> comparable, it is $689.95 plus filters at some $150 each.
>>
>> 73

>>
>> Bob, K4TAX
>>
>> On 1/25/2017 9:12 AM, Terry Foskey n5tf@... [orion565] wrote:
>>
>>
>>
>> 366 not worth the difference in performance IMHO. You guys wanting to
>> argue the merits of IMD that's a given considering filtering on board
>> but
>> if you go back to Tentec literature wasn't one of the selling points
>> weak
>> signal performance some it via LO low noise performance and ability to
>> use
>> signals from both receivers simultaneously via aural distribution?
>>
>> N5TF
>>
>> Sent from my iPhone
>>
>>
>>
>>
>

11855. Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-26 18:16:15 UTC
From: hmanonbass@...
Topic: 11830 Message: 11855

That's great to hear. I have requested a Y1 crystal to repair my O2 and I am still patiently awaiting a reply.

Chris
N8OXC

11856. Re: [orion565] Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-26 19:25:40 UTC
From: Wayne Bethoney
Topic: 11830 Message: 11856

Very Good Chris. I have been following the reflector on the R366 and can't for the life of me understand why Amateur radio Ops would prefer the standard second receiver inside their O2s. Mine has the R366 and BTW it is general receive as well despite the TEN TEC literature. I love the radio and can only hope the new Orion they are designing is better than this one. However I will not sell this radio. This is a keeper..

73 Wayne/WC1C

From: orion565@yahoogroups.com <orion565@...m> on behalf of hmanonbass@... [orion565] <orion565@yahoogroups.com>
Sent: Thursday, January 26, 2017 1:16 PM
To: orion565@yahoogroups.com
Subject: [orion565] Re: Purchase of Orion II

That's great to hear. I have requested a Y1 crystal to repair my O2 and I am still patiently awaiting a reply.

Chris
N8OXC

11857. Re: [orion565] Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-26 19:50:48 UTC
From: Barry N1EU
Topic: 11830 Message: 11857

The RX366 has bandpass filtering which will cause attenuation for general coverage listening on SW bands far removed from ham bands.

Barry N1EU

On Thu, Jan 26, 2017 at 2:25 PM, Wayne Bethoney wbethoney@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Very Good Chris. I have been following the reflector on the R366 and can't
> for the life of me understand why Amateur radio Ops would prefer the
> standard second receiver inside their O2s. Mine has the R366 and BTW it is
> general receive as well despite the TEN TEC literature. I love the radio
> and can only hope the new Orion they are designing is better than this one.
> However I will not sell this radio. This is a keeper..
>
>
>
>
> 73 Wayne/WC1C
>
>
> ------------------------------
> *From:* orion565@yahoogroups.com <orion565@yahoogroups.com> on behalf of
> hmanonbass@... [orion565] <orion565@yahoogroups.com>
> *Sent:* Thursday, January 26, 2017 1:16 PM
> *To:* orion565@yahoogroups.com
> *Subject:* [orion565] Re: Purchase of Orion II
>
>
>
> That's great to hear. I have requested a Y1 crystal to repair my O2 and I
> am still patiently awaiting a reply.
>
> Chris
> N8OXC
>
>
>

11858. Re: [orion565] Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-26 19:56:23 UTC
From: hauns@...
Topic: 11830 Message: 11858

Wayne,

How often if ever do you see R366 receiver's on the used market? I have been searching ever since this post started to no avail...

I can't see someone wanting to get rid of one if they already have it based on what you are saying.

-Hauns
KI0GU

11859. Re: [orion565] Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-26 20:09:33 UTC
From: Wayne Bethoney
Topic: 11830 Message: 11859

I have seen them on other ham radio web sites for sale. Not often but they do show up. You have to keep looking and that is a pain in the .... However In my opinion, I would be looking for an Orion with that sub receiver if I were buying another O2. Again that combo is hard to beat for performance.

Wayne

_____
From: orion565@yahoogroups.com <orion565@yahoogroups.com> on behalf of hauns@...
[orion565] <orion565@yahoogroups.com>
Sent: Thursday, January 26, 2017 2:56 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: Purchase of Orion II

Wayne,

How often if ever do you see R366 receiver's on the used market? I have been searching ever since this post started to no avail...

I can't see someone wanting to get rid of one if they already have it based on what you are saying.

-Hauns
KI0GU

11860. Re: [orion565] Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-26 20:23:21 UTC
From: Wayne Bethoney
Topic: 11830 Message: 11860

Barry,

I agree that all is not perfect with the R366 in that respect. However it is superior to the standard receiver by far. I have both receivers and can say the R366 beats the standard receiver hands down.. Are they tough to find as a stand alone? Yes. But they do show up on occasion. John Henry's post on the wiki and your comments to that post should be read by O2 users. Good stuff there.

Wayne

From: orion565@yahoogroups.com <orion565@yahoogroups.com> on behalf of Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com>
Sent: Thursday, January 26, 2017 2:50 PM
To: Orion565
Subject: Re: [orion565] Re: Purchase of Orion II

The RX366 has bandpass filtering which will cause attenuation for general coverage listening on SW bands far removed from ham bands.

Barry N1EU

On Thu, Jan 26, 2017 at 2:25 PM, Wayne Bethoney wbethoney@...<mailto:wbethoney@...> [orion565] <orion565@yahoogroups.com<mailto:orion565@yahoogroups.com>> wrote:

Very Good Chris. I have been following the reflector on the R366 and can't for the life of me understand why Amateur radio Ops would prefer the standard second receiver inside their O2s. Mine has the R366 and BTW it is general receive as well despite the TEN TEC literature. I love the radio and can only hope the new Orion they are designing is better than this one. However I will not sell this radio. This is a keeper..

73 Wayne/WC1C

From: orion565@yahoogroups.com<mailto:orion565@yahoogroups.com> <orion565@yahoogroups.com<mailto:orion565@yahoogroups.com>> on behalf of hmanonbass@yahoo.com<mailto:hmanonbass@...> [orion565] <orion565@yahoogroups.com<mailto:orion565@yahoogroups.com>>
Sent: Thursday, January 26, 2017 1:16 PM
To: orion565@yahoogroups.com<mailto:orion565@yahoogroups.com>
Subject: [orion565] Re: Purchase of Orion II

That's great to hear. I have requested a Y1 crystal to repair my O2 and I am still patiently awaiting a reply.

Chris
N8OXC

11861. Re: [orion565] Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-26 20:46:03 UTC
From: Barry N1EU
Topic: 11830 Message: 11861

In the past three years, I think I've seen two.

Barry N1EU

On Thu, Jan 26, 2017 at 7:56 PM, hauns@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Wayne,
>
> How often if ever do you see R366 receiver's on the used market? I have
> been searching ever since this post started to no avail...
>
> I can't see someone wanting to get rid of one if they already have it
> based on what you are saying.
>
> -Hauns
> KI0GU
>
>
>

11862. Re: [orion565] Re: Purchase of Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-26 20:48:35 UTC
From: Barry N1EU
Topic: 11830 Message: 11862

I'd also say that's it's a thousand times easier to install than the
Elecraft K3 subreceiver. I've done both installs a dozen times each.

Barry N1EU

On Thu, Jan 26, 2017 at 8:23 PM, Wayne Bethoney wbethoney@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Barry,
>
>
> I agree that all is not perfect with the R366 in that respect.
> However it is superior to the standard receiver by far. I have both
> receivers and can say the R366 beats the standard receiver hands down.. Are
> they tough to find as a stand alone? Yes. But they do show up on occasion.
> John Henry's post on the wiki and your comments to that post should be read
> by O2 users. Good stuff there.
>
>
>
> Wayne
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>
> ------------------------------
> *From:* orion565@yahoogroups.com <orion565@yahoogroups.com> on behalf of
> Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com>
> *Sent:* Thursday, January 26, 2017 2:50 PM
> *To:* Orion565
> *Subject:* Re: [orion565] Re: Purchase of Orion II
>
>
>
> The RX366 has bandpass filtering which will cause attenuation for general
> coverage listening on SW bands far removed from ham bands.
>
> Barry N1EU

>
> On Thu, Jan 26, 2017 at 2:25 PM, Wayne Bethoney wbethoney@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
>>
>>
>> Very Good Chris. I have been following the reflector on the R366 and
>> can't for the life of me understand why Amateur radio Ops would prefer the
>> standard second receiver inside their O2s. Mine has the R366 and BTW it is
>> general receive as well despite the TEN TEC literature. I love the radio
>> and can only hope the new Orion they are designing is better than this one.
>> However I will not sell this radio. This is a keeper..
>>
>>
>>
>>
>> 73 Wayne/WC1C
>>
>>
>> ------------------------------
>> *From:* orion565@yahoogroups.com <orion565@yahoogroups.com> on behalf of
>> hmanonbass@... [orion565] <orion565@yahoogroups.com>
>> *Sent:* Thursday, January 26, 2017 1:16 PM
>> *To:* orion565@yahoogroups.com
>> *Subject:* [orion565] Re: Purchase of Orion II
>>
>>
>>
>> That's great to hear. I have requested a Y1 crystal to repair my O2 and I
>> am still patiently awaiting a reply.
>>
>> Chris
>> N8OXC
>>
>>
>
>

11863. 2017 Meet & Greet & Boneyard Sevierville TN

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-27 13:24:30 UTC
From: Bob McGraw K4TAX
Topic: 11863 Message: 11863
Attachments: 2 described; binary payloads are missing from this source WARC

WB4GBI Repeater Systems
<https://www.facebook.com/WB4GBI-Repeater-Systems-139798699433085/?hc_ref=NEWSFEED>added2
new photos
<https://www.facebook.com/permalink.php?story_fbid=1267203846692559&id=139798699433085>.

6 hrs
<https://www.facebook.com/permalink.php?story_fbid=1267203846692559&id=139798699433085>·

2017 Meet & Greet & Boneyard Sevierville TN
Our Second Year of The Event
April 22nd start time 8am, close time 2 pm
Great Food-Great Fellowship and loads of Ham Gear
Sponsor by HRO - DX Engineering - ICOM USA 470 Amateur Radio Group of
East Tennessee & Ham's Helping Ham's
Gift Card from HRO, Door Prizes from ICOM and DX Engineering,
Next to the Sevier County Police Department, 300 Gary Wade Blvd.
Sevierville TN 37862... Menu this year is Hot Dogs, Hambergers, Baked
Beans & Slaw,, Bring your own drinks and a extra chair to insure we have
enough seats for all, KI4CDA, Charlie, will give the invocation and
blessing, plenty of parking and Boneyard area, bring you Ham Radio Gear,
to sell, trade on..computers are welcome as we use in Amateur
Radio...Bring the family and kids, there is a area for the kids...for
more information E Mail n4jtq@... if you have questions... more
will follow as it grows closer, may have several others come in still
waiting on confirmation ....Don't forget to put this on your calendar
!!! Rain or Shine ~~~

Image may contain: sky, cloud, outdoor and nature
<https://www.facebook.com/139798699433085/photos/pcb.1267203846692559/1267203700025907/?ty
pe=3>
Image may contain: sky, cloud, house and outdoor
<https://www.facebook.com/139798699433085/photos/pcb.1267203846692559/1267203763359234/?ty
pe=3>

11864. Orion II Sherwood Long Form Report

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-27 19:24:29 UTC
From: hauns@...
Topic: 11864 Message: 11864

I had an email correspondence with Rob Sherwood (NC0B) about this rig. He kindly sent me the long form report for this rig.

I would be happy to upload it if hasn't already been done.

Please let me know.

Thanks,
Hauns
KI0GU

11865. Re: [orion565] Orion II Sherwood Long Form Report

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-27 23:21:27 UTC
From: Paolo Emanuelli
Topic: 11864 Message: 11865

i’m interested on it

can you sendo via mail ?

ik1qhb@fastwebnet.it <mailto:ik1qhb@...>

73

tnx

paul ik1qhb

> Il giorno 27 gen 2017, alle ore 20:24, hauns@... [orion565] <orion565@yahoogroups.com> ha scritto:
>
>
> I had an email correspondence with Rob Sherwood (NC0B) about this rig. He kindly sent me the long form report for this rig.
>
>
>
> I would be happy to upload it if hasn't already been done.
>
>
>
> Please let me know.
>
>
>
> Thanks,
>
> Hauns
>
> KI0GU
>
>
>

11866. Re: [orion565] Orion II Sherwood Long Form Report

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-27 23:36:16 UTC
From: Paul Dulaff
Topic: 11864 Message: 11866

Haus

Please send a copy to: pdulaff@...

Thanks

Paul Dulaff - WB2NMI
2003 TT Orion

----- Original Message -----
From: hauns@... [orion565] <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Fri, 27 Jan 2017 14:24:29 -0500 (EST)
Subject: [orion565] Orion II Sherwood Long Form Report

I had an email correspondence with Rob Sherwood (NC0B) about this rig. He kindly sent me the long form report for this rig.
I would be happy to upload it if hasn't already been done.
Please let me know.
Thanks,HaunsKI0GU

11867. Re: [orion565] Orion II Sherwood Long Form Report

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-27 23:51:07 UTC
From: Steven Kline
Topic: 11864 Message: 11867

Maybe put in TenTec Wiki??

Steve - W5JK

> On Jan 27, 2017, at 5:36 PM, Paul Dulaff pdulaff@... [orion565]
<orion565@yahoogroups.com> wrote:
>
> Haus
>
> Please send a copy to: pdulaff@... <mailto:pdulaff@...>
>
> Thanks
>
> Paul Dulaff - WB2NMI
> 2003 TT Orion
>
>
> ----- Original Message -----
> From: hauns@... <mailto:hauns@...> [orion565] <orion565@yahoogroups.com
<mailto:orion565@yahoogroups.com>>
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Sent: Fri, 27 Jan 2017 14:24:29 -0500 (EST)
> Subject: [orion565] Orion II Sherwood Long Form Report
>
>
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>
>
> I had an email correspondence with Rob Sherwood (NC0B) about this rig. He kindly sent me
the long form report for this rig.
>
>
>
> I would be happy to upload it if hasn't already been done.
>
>
>
> Please let me know.
>
>
>
> Thanks,

>
> Hauns
>
> KI0GU
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11868. Orion 565 service pack / care package

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-28 05:14:58 UTC
From: Martin Sole
Topic: 11868 Message: 11868

Arrived home today and my care package / service pack was waiting for me. As was the 30S-1 service pack, parts for my TF3LJ power meter build and the stuff for my Radioartisan keyer. It's going to be a busy vacation month what with all the household stuff as well I guess.

Hope I don't run into a 3D printer or pcb engraver on any of my city trips.

73

Martin, HS0ZED

11869. re: Orion 565 repair service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-29 01:29:58 UTC
From: k3cc@...
Topic: 11869 Message: 11869

My Orion needs encoders for RF Gain, and another encoder..... The second receiver does not work... The antenna tuner does not work...
the display that a long time to appear....I had made the changes for the latest firmware....
I removed the power plug because it would get hot, then lose power connection now fine....

As I get older I don't think I can work on it.... Is there any place for repair service ?

de K3CC Skip

11870. Re: [orion565] re: Orion 565 repair service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-29 02:38:44 UTC
From: Chuck Chandler
Topic: 11869 Message: 11870

Mine is currently at ten tec for repair. Send an email to service@...m.
It takes a while since only one fellow answers email once a week I hear.

Reports had been around a 4 week turnaround but mine is going to be 5 weeks this coming Tuesday. Of course that includes two holidays and they were in the middle of a move as well.

If I hear anything on an expected return date I'll update the reflector. Since it hasn't been fixed yet I can't speak to cost or quality but the quoted costs in the email were reasonable.

73 de Chuck, WS1L
On Sat, Jan 28, 2017 at 20:33 k3cc@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> My Orion needs encoders for RF Gain, and another encoder..... The second
> receiver does not work... The antenna tuner does not work...
> the display that a long time to appear....I had made the changes for the
> latest firmware....
> I removed the power plug because it would get hot, then lose power
> connection now fine....
>
> As I get older I don't think I can work on it.... Is there any place for
> repair service ?
>
> de K3CC Skip
>
>
>
--
Chuck

Sent from my iPhone

Chuck Chandler
chandlerusm@...

11871. Re: [orion565] re: Orion 565 repair service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-29 02:46:00 UTC
From: Bob McGraw K4TAX
Topic: 11869 Message: 11871

I suggest you contact Tentec Service and ask for a RA number. They are repairing Orion radios. The e-mail address to use is SERVICE@... In your request, please describe the issues of concern.

73

Bob, K4TAX

On 1/28/2017 7:29 PM, k3cc@... [orion565] wrote:
>
> My Orion needs encoders for RF Gain, and another encoder..... The
> second receiver does not work... The antenna tuner does not work...
> the display that a long time to appear....I had made the changes for
> the latest firmware....
> I removed the power plug because it would get hot, then lose power
> connection now fine....
>
> As I get older I don't think I can work on it.... Is there any place
> for repair service ?
>
> de K3CC Skip
>
>

11872. Orion 566 Multi-Knob jumps

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-29 06:38:23 UTC
From: hauns@...
Topic: 11872 Message: 11872

I received my O2 yesterday. Spent the day setting it up and getting used to it. Overall, I am very pleased so far. Setting it up to my Rigblaster Pro was very straight forward. All digital modes are working great. Next I will tackle FSK.

The only problem I have noticed so far is the Multi Knob. It is a bit loose compared to the other knobs and when I am trying to change a reading +- 1 it jumps forward and back quickly. It seems to be very sensitive. Does anyone else have this problem? Wondering if this knob needs to be replaced? I can't imagine there is an adjustment for this.

Thanks,
Hauns
KI0GU

11873. Re: [orion565] Orion 566 Multi-Knob jumps

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-29 14:29:30 UTC
From: Bob McGraw K4TAX
Topic: 11872 Message: 11873

Regarding the Multi control, these are segmented type encoders much like a switch, although electrically different. There are two rows of offset contacts and two common sliders or wipers. These have been found to need cleaning. Usually application of a contact cleaner applied through a crack or crevice in the assembly, in the way one would typically clean a carbon pot, takes care of the problem. I've been successful in this approach and not having to remove the control or disassemble the control. Do not use excessive cleaning agent.

Correct, there is not adjustment for this.

73

Bob, K4TAX

On 1/29/2017 12:38 AM, hauns@... [orion565] wrote:
>
> I received my O2 yesterday. Spent the day setting it up and getting
> used to it. Overall, I am very pleased so far. Setting it up to my
> Rigblaster Pro was very straight forward. All digital modes are
> working great. Next I will tackle FSK.
>
> The only problem I have noticed so far is the Multi Knob. It is a bit
> loose compared to the other knobs and when I am trying to change a
> reading +- 1 it jumps forward and back quickly. It seems to be very
> sensitive. Does anyone else have this problem? Wondering if this knob
> needs to be replaced? I can't imagine there is an adjustment for this.
>
> Thanks,
> Hauns
> KI0GU
>
>

11874. Error in Orion spares kit

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-29 14:52:13 UTC
From: Barry N1EU
Topic: 11874 Message: 11874

Apologies, but I just caught an error (and corrected it) on the encoders
included in the Orion spares kit I posted at

http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=0f1239a85b

The six small encoders originally included had too short a shaft length and
this has been corrected in the kit. If you just need to order the encoders
(six required), the correct ones can be found here:

<http://www.mouser.com/Search/ProductDetail.aspx?R=PEC11L-4225F-S0015virtualkey65210000virtualkey652-PEC11L4225FS0015>
http://www.mouser.com/Search/ProductDetail.aspx?R=PEC11L-4225F-S0015
<http://www.mouser.com/Search/ProductDetail.aspx?R=PEC11L-4225F-S0015virtualkey65210000virtualkey652-PEC11L4225FS0015>

Note that this is a detented encoder but I believe it's the best
replacement currently available. Nobody stocks non-detented encoders like
the originals.

Again, very sorry for the error.

73, Barry N1EU

11875. Re: [orion565] re: Orion 565 repair service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-29 15:19:49 UTC
From: denton sprague
Topic: 11869 Message: 11875

With the high price of repair and non availability of parts, you might want to consider purchasing another Orion in better condition and keeping yours for parts.
I am migrating to newer technology and have have an Orion 1 up for grabs…everything is good except the sub receiver is flakey…sometimes it works and sometimes it dont (kinda like me!)
All filter slots filled, has working internal antenna tuner and comes with hand mic, power cord and manual.
Shipped to your qth for $800.00
> On Jan 28, 2017, at 5:29 PM, k3cc@... [orion565] <orion565@yahoogroups.com> wrote:
>
> My Orion needs encoders for RF Gain, and another encoder..... The second receiver does not work... The antenna tuner does not work...
> the display that a long time to appear....I had made the changes for the latest firmware....
> I removed the power plug because it would get hot, then lose power connection now fine....
>
> As I get older I don't think I can work on it.... Is there any place for repair service ?
>
> de K3CC Skip
>
>
>

11876. Wanted - Main Tuning Knob Rubber Trim piece

Yahoo group: orion565 (2014 — 2017)
Date: 2017-01-30 16:31:14 UTC
From: bkemp@...
Topic: 11876 Message: 11876

I'm in need of 2 - black rubber, main tuning knob covers/trim pieces.
Drop me an email off list please.
Been trying to get ahold of TT for 8 weeks...- sending a weekly request for the part - NO reply.
Bob
wa0vrc

11877. Re: Wanted - Main Tuning Knob Rubber Trim piece

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-01 15:59:20 UTC
From: hmanonbass@...
Topic: 11876 Message: 11877

Similar story here, I need oscillator Y1 for my O2, can't get a reply at all...

Great rig, if I can get the part, I can get it realigned and back into service...

If you find some trim rings, please share you source..

Chris N8OXC

11878. Re: [orion565] Re: Ten-Tec Service. Was: Wanted - Main Tuning Knob Rubber Trim piece

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-01 16:02:36 UTC
From: Chuck Chandler
Topic: 11878 Message: 11878

On Wed, Feb 1, 2017 at 9:59 AM, hmanonbass@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Similar story here, I need oscillator Y1 for my O2, can't get a reply at
> all...
>
> Great rig, if I can get the part, I can get it realigned and back into
> service...
>
> If you find some trim rings, please share you source..
>
> Chris N8OXC
>
>
>

Yesterday was 5 weeks since my Orion arrived at Ten-Tec. I sent a brief email over the weekend to see if there was any estimated turnaround time but haven't heard anything yet. I'll update if I get any response.

73 de Chuck, WS1L
--

==========
Chuck Chandler
chandlerusm@...
==========

11879. TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-03 02:15:46 UTC
From: Chuck Chandler
Topic: 11879 Message: 11879

I got a nice email from them today telling me that my Orion was in line for service, there had been delays with the move. No firm estimate but the impression was fairly soon. I had sent the email this weekend, so response was reasonably quick.

73 de Chuck, WS1L

--

==========
Chuck Chandler
chandlerusm@...
==========

11880. A Boy and His Orion II

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-05 00:54:10 UTC
From: hauns@...
Topic: 11880 Message: 11880

A friend had requested I upload a video showing the O2 and how I liked it. I took some time this morning to record my thoughts and show some of the radio features and use.

I am no pro, this is just a blog of me and my new Orion II, which I am really enjoying!

https://youtu.be/B7h_p4K08Zo https://youtu.be/B7h_p4K08Zo - Part 1

https://youtu.be/9om5b2-8uMw https://youtu.be/9om5b2-8uMw - Part 2

-73
Hauns
KI0GU

11881. 565 RIT Not working

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-05 16:27:19 UTC
From: Tom Hellem
Topic: 11881 Message: 11881

Hi All-
Has anybody had problems with the RIT not working on a 565?
On mine, the on-screen indicator (I think they call it the annunciator) will sort of intermittently display +10 as the RIT control is rotated, with no change
at all in the RX frequency.

Any and all suggestions welcome.

Tom
K0SN

11882. Re: [orion565] 565 RIT Not working

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-05 16:38:14 UTC
From: Barry N1EU
Topic: 11881 Message: 11882

This is the single most common issue with the 565.

Read all the way through this page:
http://tentecwiki.org/doku.php?id=565ritfix

You might consider just leaving it alone and not attempting to fix it,
unless you really need it and you don't mind digging into the front panel.

Barry N1EU

On Sun, Feb 5, 2017 at 4:27 PM, Tom Hellem tom.hellem@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hi All-
> Has anybody had problems with the RIT not working on a 565?
> On mine, the on-screen indicator (I think they call it the annunciator)
> will
> sort of intermittently display +10 as the RIT control is rotated, with no
> change
> at all in the RX frequency.
>
> Any and all suggestions welcome.
>
>
> Tom
> K0SN
>
>
>
>

11883. Re: [orion565] 565 RIT Not working

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-05 16:43:48 UTC
From: Fernando
Topic: 11881 Message: 11883

Hello

It happens to mine and was suggested to firmly hold the knob

and pull on it. Something to do with the internal mechanics.

I’ve done this and works, however, time will tell.

Start looking for encoders.

best regards
Fernando N2FQ/6
n2fq@... <mailto:n2fq@...>

> On Feb 5, 2017, at 8:27 AM, Tom Hellem tom.hellem@... <mailto:tom.hellem@...> [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>
>
> Hi All-
> Has anybody had problems with the RIT not working on a 565?
> On mine, the on-screen indicator (I think they call it the annunciator) will
> sort of intermittently display +10 as the RIT control is rotated, with no change
> at all in the RX frequency.
>
> Any and all suggestions welcome.
>
>
> Tom
> K0SN
>
>
>
>
>

11884. Re: [orion565] 565 RIT Not working

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-05 16:54:13 UTC
From: Tom Hellem
Topic: 11881 Message: 11884

Barry-
Looks like you nailed it.
I guess I got lazy and came here first instead of doing some
homework on my own.

Thanks for the snappy reply.

Tom
K0SN

On Sun, Feb 5, 2017 at 9:38 AM, Barry N1EU barry.n1eu@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> This is the single most common issue with the 565.
>
> Read all the way through this page: http://tentecwiki.org/doku.
> php?id=565ritfix
>
> You might consider just leaving it alone and not attempting to fix it,
> unless you really need it and you don't mind digging into the front panel.
>
> Barry N1EU
>
> On Sun, Feb 5, 2017 at 4:27 PM, Tom Hellem tom.hellem@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
>>
>>
>> Hi All-
>> Has anybody had problems with the RIT not working on a 565?
>> On mine, the on-screen indicator (I think they call it the annunciator)
>> will
>> sort of intermittently display +10 as the RIT control is rotated, with no
>> change
>> at all in the RX frequency.
>>
>> Any and all suggestions welcome.
>>
>>
>> Tom
>> K0SN
>>
>>
>>

>
>

11885. RS232 problem

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-05 18:03:59 UTC
From: Wayne Staples
Topic: 11885 Message: 11885

Hi all computer will not connect to my 01 any suggestions as to what might be the problem. I hope it is something minor. Have tried all the normal things, master reset,ram clear, changed cable, made sure cable is not null modem. I have heard some 1uf caps around the chip on the logic board are sometimes a problem.

Any suggestions appreciated.

73 Wayne VK4EU

11886. Re: [orion565] RS232 problem

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-05 18:57:46 UTC
From: Bob McGraw K4TAX
Topic: 11885 Message: 11886

Has this configuration been working in the past or is this a new
configuration?

Most of the issues I've experienced have to do more with the
configuration where a USB to RS-232 converter is used between the radio
and the computer. As a rule, USB to RS-232 converters......some
work.....some do not. The ones using the FTDI chips work. The ones
using the "clones" usually do not. I have been using one purchased,
at the advice of Tentec, from R T Systems. Being model RTS-03. Their
link is https://www.rtsystemsinc.com/Other-Cables-s/2094.htm
<https://www.rtsystemsinc.com/Other-Cables-s/2094.htm>

If your computer has a real RS-232 port then a standard RS-232 cable,
DB-9 to DB-9, should work unless a port is failed. In this regard, one
of my radios, being my Omni VII, has a faulty RS-232 port the failure
being the result of a lightning strike.

73
Bob, K4TAX

On 2/5/2017 12:03 PM, Wayne Staples vk4eu@... [orion565] wrote:
> Hi all computer will not connect to my 01 any suggestions as to what
> might be the problem. I hope it is something minor. Have tried all the
> normal things, master reset,ram clear, changed cable, made sure cable is
> not null modem. I have heard some 1uf caps around the chip on the logic
> board are sometimes a problem.
>
> Any suggestions appreciated.
>
> 73 Wayne VK4EU
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> Yahoo Groups Links
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11887. RE: [orion565] RS232 problem

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-05 20:08:56 UTC
From: tarniowy
Topic: 11885 Message: 11887

Wayne,Probably max232 chip is bad (it is located on the logic board). I had few rigs in the past with same problem.
ArekAC2FC

Sent from my Verizon, Samsung Galaxy smartphone
-------- Original message --------From: "Wayne Staples vk4eu@optusnet.com.au [orion565]" <orion565@yahoogroups.com> Date: 2/5/17 1:03 PM (GMT-05:00) To: Orion565 <orion565@yahoogroups.com> Subject: [orion565] RS232 problem
Hi all computer will not connect to my 01 any suggestions as to what might be the problem. I hope it is something minor. Have tried all the normal things, master reset,ram clear, changed cable, made sure cable is not null modem. I have heard some 1uf caps around the chip on the logic board are sometimes a problem.

Any suggestions appreciated.

73 Wayne VK4EU

Yahoo Groups Links

11888. Re: [orion565] RS232 problem

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-06 03:52:45 UTC
From: Martin Sole
Topic: 11885 Message: 11888

I had this happen to mine a couple of years ago. Replaced just the 4 off
1uF capacitors around the MAX232.

Martin HS0ZED

On 06/02/2017 01:03, Wayne Staples vk4eu@... [orion565] wrote:
> Hi all computer will not connect to my 01 any suggestions as to what
> might be the problem. I hope it is something minor. Have tried all the
> normal things, master reset,ram clear, changed cable, made sure cable is
> not null modem. I have heard some 1uf caps around the chip on the logic
> board are sometimes a problem.
>
> Any suggestions appreciated.
>
> 73 Wayne VK4EU
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> Yahoo Groups Links
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11889. Re: [orion565] RS232 problem

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-06 07:27:49 UTC
From: Wayne Staples
Topic: 11885 Message: 11889

Hi Martin

I have seen the circuit the 1uf caps around the MAX232 have polarity symbols on them I have seen is other posts that the caps were ceramic and not electrolytic.

Anyway I hope you are correct, replacing capacitors are easier than surface mount chips. Thanks everyone for your answers.

73 Wayne VK4EU

On 06/02/17 13:52, Martin Sole hs0zed@... [orion565] wrote:
> I had this happen to mine a couple of years ago. Replaced just the 4 off
> 1uF capacitors around the MAX232.
>
> Martin HS0ZED
>
>
> On 06/02/2017 01:03, Wayne Staples vk4eu@... [orion565] wrote:
>> Hi all computer will not connect to my 01 any suggestions as to what
>> might be the problem. I hope it is something minor. Have tried all the
>> normal things, master reset,ram clear, changed cable, made sure cable is
>> not null modem. I have heard some 1uf caps around the chip on the logic
>> board are sometimes a problem.
>>
>> Any suggestions appreciated.
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>> 73 Wayne VK4EU
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11890. Re: [orion565] RS232 problem

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-06 12:24:30 UTC
From: tarniowy
Topic: 11885 Message: 11890

SMD chip is jot hard to replace. I'm also strongly recommend to use rs232 isolation conventer.
ArekAC2FC

Sent from my Verizon, Samsung Galaxy smartphone
-------- Original message --------From: "Wayne Staples vk4eu@optusnet.com.au [orion565]" <orion565@yahoogroups.com> Date: 2/6/17 2:27 AM (GMT-05:00) To: orion565@yahoogroups.com Subject: Re: [orion565] RS232 problem
Hi Martin

I have seen the circuit the 1uf caps around the MAX232 have polarity
symbols on them I have seen is other posts that the caps were ceramic
and not electrolytic.

Anyway I hope you are correct, replacing capacitors are easier than
surface mount chips. Thanks everyone for your answers.

73 Wayne VK4EU

On 06/02/17 13:52, Martin Sole hs0zed@gmail.com [orion565] wrote:
> I had this happen to mine a couple of years ago. Replaced just the 4 off
> 1uF capacitors around the MAX232.
>
> Martin HS0ZED
>
>
> On 06/02/2017 01:03, Wayne Staples vk4eu@optusnet.com.au [orion565] wrote:
>> Hi all computer will not connect to my 01 any suggestions as to what
>> might be the problem. I hope it is something minor. Have tried all the
>> normal things, master reset,ram clear, changed cable, made sure cable is
>> not null modem. I have heard some 1uf caps around the chip on the logic
>> board are sometimes a problem.
>>
>> Any suggestions appreciated.
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>> 73 Wayne VK4EU
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Yahoo Groups Links

11891. Contact with TT

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-08 14:21:47 UTC
From: bkemp@...
Topic: 11891 Message: 11891

I did finally get a response from TT after 2 months of emailing every week. Got the item I was after.
So they do respond...just have to hang in there I guess!
Bob
wa0vrc

11892. Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-11 04:06:41 UTC
From: bayou50@...
Topic: 11892 Message: 11892

Hello all, I have an Orion 1 and while using it last week it rebooted itself twice, both times right when I keyed the mic to talk. It played great between those times.

It has done this before a couple of times. Maybe twice in 6 months. But first time its ever done it twice within an hour or so.

Any ideas on this? I had already changed the caps on the A9 board some months ago.

Appreciate any help. Thanks

73, Dale, KD5UVV

11893. Re: [orion565] Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-11 04:18:41 UTC
From: Bob McGraw K4TAX
Topic: 11892 Message: 11893

Sounds like high resistance with the power connectors at the radio. Likely you'll find them loose or showing evidence of heating. When you transmit, the extra current demand, coupled with the added resistance of the connectors, drops the voltage and the radio will reboot. It's an OHM LAW thing..... I*R = E drop. Check all power connections from the power supply to the radio. I do hope you have the radio connected direct to the power supply and not through one of those terminal block "thingeys". Also a dedicated ground from the ground terminal on the radio to the ground terminal on the power supply is strongly suggested.

73

Bob, K4TAX

On 2/10/2017 10:06 PM, bayou50@... [orion565] wrote:
>
> Hello all, I have an Orion 1 and while using it last week it rebooted
> itself twice, both times right when I keyed the mic to talk. It played
> great between those times.
>
> It has done this before a couple of times. Maybe twice in 6 months.
> But first time its ever done it twice within an hour or so.
>
> Any ideas on this? I had already changed the caps on the A9 board some
> months ago.
>
> Appreciate any help. Thanks
>
> 73, Dale, KD5UVV
>
>

11894. Re: [orion565] Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-11 04:59:15 UTC
From: Mike Schatzberg
Topic: 11892 Message: 11894

Did you change the Snaphat battery?

73,

Mike
W2AJI

Sent from my iPhone

> On Feb 10, 2017, at 11:06 PM, bayou50@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Hello all, I have an Orion 1 and while using it last week it rebooted itself twice, both times right when I keyed the mic to talk. It played great between those times.
>
> It has done this before a couple of times. Maybe twice in 6 months. But first time its ever done it twice within an hour or so.
>
> Any ideas on this? I had already changed the caps on the A9 board some months ago.
>
> Appreciate any help. Thanks
>
> 73, Dale, KD5UVV
>
> ------------------------------------
> Posted by: bayou50@...
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> Yahoo Groups Links
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11895. Re: Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-11 06:25:05 UTC
From: bayou50@...
Topic: 11892 Message: 11895

Hello Bob, thanks for the suggestion. I'll check out all the connections and install that ground from the rig to the power supply also. And yes, I'm going straight to the power supply to the Orion. Thanks again

73, Dale KD5UVV

11896. Re: Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-11 06:28:43 UTC
From: bayou50@...
Topic: 11892 Message: 11896

Hello Mike, no I have not changed the snaphat battery. I'll look into doing so, as I have no idea how long this one has been in the radio.

Do you know of a place to get a replacement battery?

Thanks 73, Dale KD5UVV

11897. Re: [orion565] Re: Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-11 11:15:29 UTC
From: Mike Schatzberg
Topic: 11892 Message: 11897

Hello Dale,

Here is the Mouser Electronics part number. You can call them. About $5 or so.

73,

Mike
W2AJI

Mouser Part Number
Customer Part Number
Manufacturer Part Number
Description Estimated
Shipment
Date(s) Quantity Unit Price
USD Extended Price
USD

1
1
511-M4T28BR12SH1
M4T28-BR12SH1
Snaphat Batt & Cryst

Sent from my iPhone

> On Feb 11, 2017, at 1:28 AM, bayou50@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Hello Mike, no I have not changed the snaphat battery. I'll look into doing so, as I have no idea how long this one has been in the radio.
>
> Do you know of a place to get a replacement battery?
>
> Thanks 73, Dale KD5UVV
>
> ------------------------------------
> Posted by: bayou50@...
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11898. Re: Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-11 11:47:42 UTC
From: bayou50@...
Topic: 11892 Message: 11898

Thanks for the info Mike, I'll get an order in for a couple. 73

Dale, KD5UVV

11899. Re: [orion565] Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-11 14:28:35 UTC
From: Barry N1EU
Topic: 11892 Message: 11899

If I was a betting man (I'm not), I'd go with Bob's hypothesis ;-)

73, Barry N1EU

On Sat, Feb 11, 2017 at 4:18 AM, Bob McGraw K4TAX RMcGraw@Blomand.net
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Sounds like high resistance with the power connectors at the radio.
> Likely you'll find them loose or showing evidence of heating. When you
> transmit, the extra current demand, coupled with the added resistance of
> the connectors, drops the voltage and the radio will reboot. It's an OHM
> LAW thing........ I*R = E drop. Check all power connections from the power
> supply to the radio. I do hope you have the radio connected direct to the
> power supply and not through one of those terminal block "thingeys".
> Also a dedicated ground from the ground terminal on the radio to the ground
> terminal on the power supply is strongly suggested.
>
> 73
>
> Bob, K4TAX
>
> On 2/10/2017 10:06 PM, bayou50@... [orion565] wrote:
>
>
>
> Hello all, I have an Orion 1 and while using it last week it rebooted
> itself twice, both times right when I keyed the mic to talk. It played
> great between those times.
>
> It has done this before a couple of times. Maybe twice in 6 months. But
> first time its ever done it twice within an hour or so.
>
> Any ideas on this? I had already changed the caps on the A9 board some
> months ago.
>
> Appreciate any help. Thanks
>
> 73, Dale, KD5UVV
>
>
>
>

11900. FS: Orion 1 Model 565AT w/PS and extras

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-11 19:17:32 UTC
From: n3bjdx@...
Topic: 11900 Message: 11900

For Sale: Ten Tec Orion 1 Model 565AT (Antenna Tuner installed), matching Model 940 Power Supply/Speaker and has the Model 310 Fan mounted. The rig is in very nice physical condition and works as it should. Display is crisp and sharp. I believe the rig has been lightly used. It is loaded with INRAD filters, including the 1 kHz filter for improved close in IMD performance on CW. I have the Ten Tec shipping box for the radio. The PS will ship in a separate box. I can provide pictures, including internals that show the filters, etc. Priced to sell at $1100 plus shipping. USPS MO or other methods can be discussed. Great radio, but I don't have time to use all I have.

Alan, N3BJ

11901. Re: [orion565] Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-11 19:48:39 UTC
From: Mike Schatzberg
Topic: 11892 Message: 11901

When my O2 battery finally failed, that's the exact same reboot during transmit I experienced. When the radio came back, of course, my settings were all gone.

I forgot to ask if he checked his settings.

Mike
W2AJI

Sent from my iPhone

> On Feb 11, 2017, at 9:28 AM, Barry N1EU barry.n1eu@gmail.com [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> If I was a betting man (I'm not), I'd go with Bob's hypothesis ;-)
>
> 73, Barry N1EU
>
>> On Sat, Feb 11, 2017 at 4:18 AM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:
>> Sounds like high resistance with the power connectors at the radio. Likely you'll find them loose or showing evidence of heating. When you transmit, the extra current demand, coupled with the added resistance of the connectors, drops the voltage and the radio will reboot. It's an OHM LAW thing..... I*R = E drop. Check all power connections from the power supply to the radio. I do hope you have the radio connected direct to the power supply and not through one of those terminal block "thingeys". Also a dedicated ground from the ground terminal on the radio to the ground terminal on the power supply is strongly suggested.
>> 73
>>
>> Bob, K4TAX
>>
>>> On 2/10/2017 10:06 PM, bayou50@... [orion565] wrote:
>>>
>>> Hello all, I have an Orion 1 and while using it last week it rebooted itself twice, both times right when I keyed the mic to talk. It played great between those times.
>>>
>>> It has done this before a couple of times. Maybe twice in 6 months. But first time its ever done it twice within an hour or so.
>>>
>>> Any ideas on this? I had already changed the caps on the A9 board some months ago.
>>>
>>> Appreciate any help. Thanks
>>>
>>> 73, Dale, KD5UVV

>>>
>>
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>

11902. Re: [orion565] Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-12 05:59:49 UTC
From: bayou50@...
Topic: 11892 Message: 11902

Mike, I checked and yes, I still have all my settings.

And Bob, I re-seated the power plug and added the ground wire from the radio to the power supply. So I'll see how it goes.

I'm also going to get a battery ordered this week.

Thank you guys for the info. 73

Dale, KD5UVV

11903. TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-16 17:57:43 UTC
From: Chuck Chandler
Topic: 11879 Message: 11903

Well, got the call today... and it's not good news. My Orion has a bad logic board, total for a complete repair would be more than it's worth.

So, the A9 board is completely rebuilt, and all other boards, etc. are checked and up to spec. I'll have the radio back next week.

My best guess is I will either part it out, or offer it up for someone who wants to go find a logic board.

Takers?

73 de Chuck, WS1L

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==========
Chuck Chandler
chandlerusm@...
==========

11904. Re: [orion565] TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-16 18:17:11 UTC
From: Paul Booth
Topic: 11879 Message: 11904

Chuck, check ebay, there are a number of boards being sold there, don’t know if it’s one you need. But given time I’m sure you’ll see more there too.

Paul, WA6IBU

From: mailto:orion565@yahoogroups.com
Sent: Thursday, February 16, 2017 9:57 AM
To: orion565@yahoogroups.com
Subject: [orion565] TenTec Service

Well, got the call today... and it's not good news. My Orion has a bad logic board, total for a complete repair would be more than it's worth.

So, the A9 board is completely rebuilt, and all other boards, etc. are checked and up to spec. I'll have the radio back next week.

My best guess is I will either part it out, or offer it up for someone who wants to go find a logic board.

Takers?

73 de Chuck, WS1L

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==========
Chuck Chandler
chandlerusm@...
==========

11905. Orion 2 for sale

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-16 18:29:06 UTC
From: Par Ragnar
Topic: 10203 Message: 11905

Well, sadly,
I inherited my Elmer's Orion 2 last year.
I've had it on air, upgraded software.
It appears to need the battery and maybe the 3 Cs done. It does a memory reset each start up but then is fine. I have not opened it up to do so. I built a K2 at sea going around Africa about 8 years ago. This is the only radio that I have found to come close to the enjoyable reception of the K2.
This rig is about 2004 or so. He used it about once a week to check into his favorite net.
I have serial numbers and photos and can do an on air op test for anyone interested.
Also a 70' R25 tilt over tower with older large beam, Mosley I think and a heavy duty roter with two controllers. I think it's a ham 4 and was rebuilt less than 3 years ago. Pics available
All located in Delaware
PM with any serious offers.
Cheers
Par

11906. Re: [orion565] TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-16 18:27:42 UTC
From: denton sprague
Topic: 11879 Message: 11906

Got a TT Orion that has the logic board replaced, internal ant tuner, full filters up for grabs.
Has flakey sub receiver though…sometimes works, sometime does not.
includes hand mic, manual and so on.
I am gravitating to sdr rigs.
Can sell it for 800 bucks shipped to your qth.
> On Feb 16, 2017, at 10:17 AM, 'Paul Booth' wa6ibu@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> Chuck, check ebay, there are a number of boards being sold there, don’t know if it’s one you need. But given time I’m sure you’ll see more there too.
>
> Paul, WA6IBU
>
> From: mailto:orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Sent: Thursday, February 16, 2017 9:57 AM
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
> Subject: [orion565] TenTec Service
>
>
>
> Well, got the call today... and it's not good news. My Orion has a bad logic board, total for a complete repair would be more than it's worth.
>
> So, the A9 board is completely rebuilt, and all other boards, etc. are checked and up to spec. I'll have the radio back next week.
>
> My best guess is I will either part it out, or offer it up for someone who wants to go find a logic board.
>
> Takers?
>
> 73 de Chuck, WS1L
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> --
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>
> ====================
> Chuck Chandler
> chandlerusm@... <mailto:chandlerusm@gmail.com>
> ====================
>
>

11907. Re: [orion565] TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-16 19:23:32 UTC
From: John D.
Topic: 11879 Message: 11907

I second what Paul said. there was a logic board listed there, but I just checked, even the sold listings to give ya an idea what they sold for, but nope.

I'd suggest search on eBay for something like "Tec Tec Orion" and click "follow this search" and you'll be emailed every time someone lists something matching your search. I'd also do internet search for "Ten Tec 565" and follow that search also (but no dash between Ten and Tec)

Good luck!

John D.
K3DBG

President of the Murgas Amateur Radio Club

sent from rooted Samsung S4

On Feb 16, 2017 12:58 PM, "Chuck Chandler chandlerusm@... [orion565]" <orion565@yahoogroups.com> wrote:

>
>
> Well, got the call today... and it's not good news. My Orion has a bad
> logic board, total for a complete repair would be more than it's worth.
>
> So, the A9 board is completely rebuilt, and all other boards, etc. are
> checked and up to spec. I'll have the radio back next week.
>
> My best guess is I will either part it out, or offer it up for someone who
> wants to go find a logic board.
>
> Takers?
>
> 73 de Chuck, WS1L
>
> --
>
>
> ====================
> Chuck Chandler
> chandlerusm@...
> ====================
>
>

11908. Re: [orion565] TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-16 20:53:46 UTC
From: amfone
Topic: 11879 Message: 11908

How much would it cost to fix Chuck?

On Thursday, February 16, 2017 2:50 PM, "'John D.' kc3dbg@... [orion565]" <orion565@yahoogroups.com> wrote:

I second what Paul said. there was a logic board listed there, but I just checked, even the sold listings to give ya an idea what they sold for, but nope.
I'd suggest search on eBay for something like "Tec Tec Orion" and click "follow this search" and you'll be emailed every time someone lists something matching your search. I'd also do internet search for "Ten Tec 565" and follow that search also (but no dash between Ten and Tec)
Good luck!

John D.
K3DBG

President of the Murgas Amateur Radio Club

sent from rooted Samsung S4
On Feb 16, 2017 12:58 PM, "Chuck Chandler chandlerusm@... [orion565]" <orion565@yahoogroups.com> wrote:

Well, got the call today... and it's not good news. My Orion has a bad logic board, total for a complete repair would be more than it's worth.
So, the A9 board is completely rebuilt, and all other boards, etc. are checked and up to spec. I'll have the radio back next week.
My best guess is I will either part it out, or offer it up for someone who wants to go find a logic board.
Takers?
73 de Chuck, WS1L

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==========Chuck Chandlerchandlerusm@...==========

11909. Re: [orion565] TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-16 21:00:00 UTC
From: Chuck Chandler
Topic: 11879 Message: 11909

They have a good logic board for around $700. Add labor. Plus hey had three hours into finding the problem too. Can't see a working one going for much more than a grand or so.
On Thu, Feb 16, 2017 at 14:58 Chuck Chandler <chandlerusm@...> wrote:

>
> On Thu, Feb 16, 2017 at 14:58 amfone amfone20000@... [orion565] <
> orion565@yahoogroups.com> wrote:
>
>
>
>
> How much would it cost to fix Chuck?
>
>
>
>
>
> On Thursday, February 16, 2017 2:50 PM, "'John D.' kc3dbg@...
> [orion565]" <orion565@...m> wrote:
>
>
>
>
> I second what Paul said. there was a logic board listed there, but I just
> checked, even the sold listings to give ya an idea what they sold for, but
> nope.
>
> I'd suggest search on eBay for something like "Tec Tec Orion" and click
> "follow this search" and you'll be emailed every time someone lists
> something matching your search. I'd also do internet search for "Ten Tec
> 565" and follow that search also (but no dash between Ten and Tec)
>
> Good luck!
>
> John D.
> K3DBG
>
> President of the Murgas Amateur Radio Club
>
> sent from rooted Samsung S4
>
> On Feb 16, 2017 12:58 PM, "Chuck Chandler chandlerusm@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> Well, got the call today... and it's not good news. My Orion has a bad
> logic board, total for a complete repair would be more than it's worth.

>
> So, the A9 board is completely rebuilt, and all other boards, etc. are
> checked and up to spec. I'll have the radio back next week.
>
> My best guess is I will either part it out, or offer it up for someone who
> wants to go find a logic board.
>
> Takers?
>
> 73 de Chuck, WS1L
>
> --
>
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> ====================
> Chuck Chandler
> chandlerusm@...
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>
> --
> Chuck
>
> Sent from my iPhone
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> Chuck Chandler
> chandlerusm@...
>
--
Chuck

Sent from my iPhone

Chuck Chandler
chandlerusm@...

11910. Re: [orion565] TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-16 20:58:31 UTC
From: Chuck Chandler
Topic: 11879 Message: 11910

On Thu, Feb 16, 2017 at 14:58 amfone amfone20000@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> How much would it cost to fix Chuck?
>
>
>
>
> On Thursday, February 16, 2017 2:50 PM, "'John D.' kc3dbg@...m
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> I second what Paul said. there was a logic board listed there, but I just
> checked, even the sold listings to give ya an idea what they sold for, but
> nope.
>
> I'd suggest search on eBay for something like "Tec Tec Orion" and click
> "follow this search" and you'll be emailed every time someone lists
> something matching your search. I'd also do internet search for "Ten Tec
> 565" and follow that search also (but no dash between Ten and Tec)
>
> Good luck!
>
> John D.
> K3DBG
>
> President of the Murgas Amateur Radio Club
>
> sent from rooted Samsung S4
>
> On Feb 16, 2017 12:58 PM, "Chuck Chandler chandlerusm@...
> [orion565]" <orion565@yahoogroups.com> wrote:
>
>
>
> Well, got the call today... and it's not good news. My Orion has a bad
> logic board, total for a complete repair would be more than it's worth.
>
> So, the A9 board is completely rebuilt, and all other boards, etc. are
> checked and up to spec. I'll have the radio back next week.
>
> My best guess is I will either part it out, or offer it up for someone who
> wants to go find a logic board.

>
> Takers?
>
> 73 de Chuck, WS1L
>
> --
>
>
> ====================
> Chuck Chandler
> chandlerusm@...
> ====================
>
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>
>
>
--
Chuck

Sent from my iPhone

Chuck Chandler
chandlerusm@...m

11911. Re: [orion565] TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 03:15:44 UTC
From: Bob McGraw K4TAX
Topic: 11879 Message: 11911

Chuck: et al

Well as I see it, if it takes $1000 to repair the Orion, what equivalent radio can you buy today for $1000? The answer is none! Yes, likely the resale value for a clean working unit is $1K or maybe more. But are you satisfied with the radio, its performance and features? Likely for one to replace the Orion with an equivalent radio today you'll be spending $2K to $4K or more. So you part it out say for ~ $1000. Still you'll need to lay out an additional $2K+ to get something decent in performance and features.

I wouldn't be too hasty to jump to a decision. Seems to me logically repair is the answer.

73
Bob, K4TAX

> On Feb 16, 2017 12:58 PM, "Chuck Chandler chandlerusm@...
> <mailto:chandlerusm@...> [orion565]"
> <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
> Well, got the call today... and it's not good news. My Orion
> has a bad logic board, total for a complete repair would be
> more than it's worth.
>
> So, the A9 board is completely rebuilt, and all other boards,
> etc. are checked and up to spec. I'll have the radio back
> next week.
>
> My best guess is I will either part it out, or offer it up for
> someone who wants to go find a logic board.
>
> Takers?
>
> 73 de Chuck, WS1L
>
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> ====================
> Chuck Chandler
> chandlerusm@... <mailto:chandlerusm@...>
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> --
> Chuck
>
> Sent from my iPhone
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> Chuck Chandler
> chandlerusm@... <mailto:chandlerusm@...>
>

11912. Re: [orion565] TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 03:40:02 UTC
From: Barry Simpson
Topic: 11879 Message: 11912

Hi Bob

Those were my thoughts exactly.

Barry VK2BJ

On 17 February 2017 at 14:15, Bob McGraw K4TAX RMcGraw@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
>
> Chuck: et al
>
> Well as I see it, if it takes $1000 to repair the Orion, what equivalent
> radio can you buy today for $1000? The answer is none! Yes, likely the
> resale value for a clean working unit is $1K or maybe more. But are you
> satisfied with the radio, its performance and features? Likely for one
> to replace the Orion with an equivalent radio today you'll be spending $2K
> to $4K or more. So you part it out say for ~ $1000. Still you'll need to
> lay out an additional $2K+ to get something decent in performance and
> features.
>
> I wouldn't be too hasty to jump to a decision. Seems to me logically
> repair is the answer.
>
> 73
> Bob, K4TAX
>
> On Feb 16, 2017 12:58 PM, "Chuck Chandler chandlerusm@...
>> [orion565]" <orion565@yahoogroups.com> wrote:
>>
>>
>> Well, got the call today... and it's not good news. My Orion has a bad
>> logic board, total for a complete repair would be more than it's worth.
>>
>> So, the A9 board is completely rebuilt, and all other boards, etc. are
>> checked and up to spec. I'll have the radio back next week.
>>
>> My best guess is I will either part it out, or offer it up for someone
>> who wants to go find a logic board.
>>
>> Takers?
>>
>> 73 de Chuck, WS1L
>>

>> --
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>> ====================
>> Chuck Chandler
>> chandlerusm@...
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> Chuck
>
> Sent from my iPhone
>
> Chuck Chandler
> chandlerusm@...
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11913. Orion 565 - freezed function with warm Wx temperature ?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 08:30:31 UTC
From: claudio ruggieri
Topic: 11913 Message: 11913

Hi to all reflector.

I'm a new of this forum and have a little question, Please.

I've a Orion 565 from two years.
Every summer (when WX have warm temperature over 25°c) I've problem with my 565.

It after 20 minutes of RX the radio seems to Work, It receive audio signals, the monitor is on, but if I try to change other function (change the mode, or the frequency and other function Rit ecc.) the radio remains, like freezed.

To unblock the radio I switch off the radio for 5 -10 minutes, everything works again, but after aprox. 10 minutes everything freezed again.

I've write to Ten Tec service last year and answer is this :

First do RAM clear reset followed by a master reset and clear user memories
and filter settings should be performed. RAM clear is as follows:
1. Orion off, power supply on.
2. Press and hold the LCK button just below the VFO B knob.
3.Turn on Orion and continue to hold the LCK button until Master Reset is
displayed on the screen. BATTERY FAILURE may also be displayed, disregard.
4. Release the LCK button and allow the Orion to boot to 14.250.
5. Turn the Orion Off and perform the Master Reset using The MAIN RX/TX
button. User memories and filter settings MUST be cleared.
6. If version 3 firmware is installed you will be asked if the RX-366 is installed, answer yes or no to this question.
I've firmware 2.08b87 on, and now the freez problem come againI've follow all instruction, but ..... the problem one week ago come again.

Other guy have this kind of problem ?
This is may be a well know problem or not ?
Or better, the question is if is possible to soleved this problem?
Any answer are welcome.

73 de Claudio iz0krc.

11914. Re: [orion565] Orion 565 - freezed function with warm Wx temperature ?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 10:21:45 UTC
From: Barry N1EU
Topic: 11913 Message: 11914

You should install the latest v3.032 firmware available here:
http://tentecwiki.org/lib/exe/fetch.php?media=565v3.032x7b.ruf.zip

Answer "no" to RX366 installed.

73, Barry N1EU

On Fri, Feb 17, 2017 at 3:30 AM, claudio ruggieri iz0krc@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi to all reflector.
>
> I'm a new of this forum and have a little question, Please.
>
> I've a Orion 565 from two years.
> Every summer (when WX have warm temperature over 25°c) I've problem with
> my 565.
>
> It after 20 minutes of RX the radio seems to Work, It receive audio
> signals, the monitor is on, but if I try to change other function (change
> the mode, or the frequency and other function Rit ecc.) the radio remains,
> like freezed.
>
> To unblock the radio I switch off the radio for 5 -10 minutes, everything
> works again, but after aprox. 10 minutes everything freezed again.
>
>
> I've write to Ten Tec service last year and answer is this :
>
> First do RAM clear reset followed by a master reset and clear user memories
> and filter settings should be performed. RAM clear is as follows:
>
> 1. Orion off, power supply on.
> 2. Press and hold the LCK button just below the VFO B knob.
> 3.Turn on Orion and continue to hold the LCK button until Master Reset is
> displayed on the screen. BATTERY FAILURE may also be displayed, disregard.
> 4. Release the LCK button and allow the Orion to boot to 14.250.
> 5. Turn the Orion Off and perform the Master Reset using The MAIN RX/TX
> button. User memories and filter settings MUST be cleared.
> 6. If version 3 firmware is installed you will be asked if the RX-366 is
> installed, answer yes or no to this question.
>
> I've firmware 2.08b87 on, and now the freez problem come again
> I've follow all instruction, but ..... the problem one week ago come

> again.
>
> Other guy have this kind of problem ?
> This is may be a well know problem or not ?
> Or better, the question is if is possible to soleved this problem?
>
> Any answer are welcome.
>
> 73 de Claudio iz0krc.
>
>
>

11915. Re: [orion565] TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 12:16:48 UTC
From: Chuck Chandler
Topic: 11879 Message: 11915

Well, there is value to a working Orion, but only as long as it keeps working. The replacement logic board is a "working pull," and there are no New Old Stock around. There aren't even any NOS chips. So, the choice is to pay the additional $1000 for a really great radio that could suffer another unobtanium failure at any moment... requiring either another $1000 or so to repair with uncertain lifespan... or replacement of the radio at that time, with an additional $1000 as a sunk cost.

The closest equivalent I saw was the Elecraft K3S with subreceiver and the P3 Panadapter. In kit form they total about $4k. So, that is what is on the way to the WS1L shack.

When the Orion gets back next week we shall see what condition it is in. If the logic board didn't get any worse, it continues to be usable, just refuses to boot every so often. It should be salable at some price, being upfront about its problems.

Once I see what condition it is in after the repairs, I'll let you all know.

73 de Chuck, WS1L

On Thu, Feb 16, 2017 at 9:40 PM, Barry Simpson vk2bj@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi Bob
>
> Those were my thoughts exactly.
>
> Barry VK2BJ
>
> On 17 February 2017 at 14:15, Bob McGraw K4TAX RMcGraw@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
>>
>>
>>
>> Chuck: et al
>>
>> Well as I see it, if it takes $1000 to repair the Orion, what equivalent
>> radio can you buy today for $1000? The answer is none! Yes, likely the
>> resale value for a clean working unit is $1K or maybe more. But are you
>> satisfied with the radio, its performance and features? Likely for one
>> to replace the Orion with an equivalent radio today you'll be spending $2K

>> to $4K or more. So you part it out say for ~ $1000. Still you'll need to
>> lay out an additional $2K+ to get something decent in performance and
>> features.
>>
>> I wouldn't be too hasty to jump to a decision. Seems to me logically
>> repair is the answer.
>>
>> 73
>> Bob, K4TAX
>>
>> On Feb 16, 2017 12:58 PM, "Chuck Chandler chandlerusm@...
>>> [orion565]" <orion565@yahoogroups.com> wrote:
>>>
>>>
>>> Well, got the call today... and it's not good news. My Orion has a bad
>>> logic board, total for a complete repair would be more than it's worth.
>>>
>>> So, the A9 board is completely rebuilt, and all other boards, etc. are
>>> checked and up to spec. I'll have the radio back next week.
>>>
>>> My best guess is I will either part it out, or offer it up for someone
>>> who wants to go find a logic board.
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>>> Takers?
>>>
>>> 73 de Chuck, WS1L
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>>> ====================
>>> Chuck Chandler
>>> chandlerusm@...
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>>> --
>> Chuck
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>> Sent from my iPhone
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>> Chuck Chandler
>> chandlerusm@...
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Chuck Chandler
chandlerusm@...
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11916. Re: [orion565] TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 14:53:56 UTC
From: Bob McGraw K4TAX
Topic: 11879 Message: 11916

Certainly can understand your decision. I made mine about 18 months ago and purchased the Elecraft K3S with accessories. There was and is nothing on the market to meet this radio in performance. The nice thing one can configure the radio to ones exact operating needs with the options. Dual receivers with identical in filters in each is ideal. Total was about $5800 for the factory assembled and aligned radio. Certainly was ell worth the extra dollar amount for assembly and alignment in my thinking. You will find it does have a unique learning curve which is much different than the Orion series. I suggest you print a copy of the manual and ....start reading.

You will need two identical speakers to take advantage of the AFX function which I find to be most enjoyable. I use a pair of Boston Acoustics non powered units. A good mike, I use the Heil PR 781 on a boom and a foot switch unless you operate VOX with get excellent audio reports. Heil has a PTT adapter for a push to talk function. The QSK is clean and fast and is a joy to use with my Iambic key. Interface to the amp is straight forward.

Good luck with the new radio.

73

Bob, K4TAX

On 2/17/2017 6:16 AM, Chuck Chandler chandlerusm@... [orion565] wrote:
> Well, there is value to a working Orion, but only as long as it keeps
> working. The replacement logic board is a "working pull," and there
> are no New Old Stock around. There aren't even any NOS chips. So,
> the choice is to pay the additional $1000 for a really great radio
> that could suffer another unobtanium failure at any moment...
> requiring either another $1000 or so to repair with uncertain
> lifespan... or replacement of the radio at that time, with an
> additional $1000 as a sunk cost.
>
> The closest equivalent I saw was the Elecraft K3S with subreceiver and
> the P3 Panadapter. In kit form they total about $4k. So, that is
> what is on the way to the WS1L shack.
>
> When the Orion gets back next week we shall see what condition it is
> in. If the logic board didn't get any worse, it continues to be
> usable, just refuses to boot every so often. It should be salable at
> some price, being upfront about its problems.
>
> Once I see what condition it is in after the repairs, I'll let you all
> know.

>
> 73 de Chuck, WS1L
>
> On Thu, Feb 16, 2017 at 9:40 PM, Barry Simpson vk2bj@...
> <mailto:vk2bj@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> Hi Bob
>
> Those were my thoughts exactly.
>
> Barry VK2BJ
>
> On 17 February 2017 at 14:15, Bob McGraw K4TAX RMcGraw@...
> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
>
> Chuck: et al
>
> Well as I see it, if it takes $1000 to repair the Orion, what
> equivalent radio can you buy today for $1000? The answer is
> none! Yes, likely the resale value for a clean working unit
> is $1K or maybe more. But are you satisfied with the radio,
> its performance and features? Likely for one to replace the
> Orion with an equivalent radio today you'll be spending $2K to
> $4K or more. So you part it out say for ~ $1000. Still
> you'll need to lay out an additional $2K+ to get something
> decent in performance and features.
>
> I wouldn't be too hasty to jump to a decision. Seems to me
> logically repair is the answer.
>
> 73
> Bob, K4TAX
>
>> On Feb 16, 2017 12:58 PM, "Chuck Chandler
>> chandlerusm@... <mailto:chandlerusm@...>
>> [orion565]" <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
>>
>> Well, got the call today... and it's not good news.
>> My Orion has a bad logic board, total for a complete
>> repair would be more than it's worth.
>>
>> So, the A9 board is completely rebuilt, and all other
>> boards, etc. are checked and up to spec. I'll have
>> the radio back next week.
>>
>> My best guess is I will either part it out, or offer

>> it up for someone who wants to go find a logic board.
>>
>> Takers?
>>
>> 73 de Chuck, WS1L
>>
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>> Chuck Chandler
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> Chuck Chandler
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11917. Re: [orion565] Orion 565 - freezed function with warm Wx temperature ?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 15:00:01 UTC
From: Bob McGraw K4TAX
Topic: 11913 Message: 11917

I agree on the firmware upgrade. Also if the filter caps on the A9 board have not been changed, I suggest doing so. And while in there, a good connector cleaning is warranted. Unless there is a hard failure, which from your description doesn't exist, then an intermittent connection or filters on the A9 board are most likely.

73

Bob, K4TAX

On 2/17/2017 4:21 AM, Barry N1EU barry.n1eu@... [orion565] wrote:
> You should install the latest v3.032 firmware available here:
> http://tentecwiki.org/lib/exe/fetch.php?media=565v3.032x7b.ruf.zip
>
> Answer "no" to RX366 installed.
>
> 73, Barry N1EU
>
> On Fri, Feb 17, 2017 at 3:30 AM, claudio ruggieri iz0krc@...
> <mailto:iz0krc@...> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> Hi to all reflector.
>
> I'm a new of this forum and have a little question, Please.
>
> I've a Orion 565 from two years.
> Every summer (when WX have warm temperature over 25°c) I've
> problem with my 565.
>
> It after 20 minutes of RX the radio seems to Work, It receive
> audio signals, the monitor is on, but if I try to change other
> function (change the mode, or the frequency and other function Rit
> ecc.) the radio remains, like freezed.
>
> To unblock the radio I switch off the radio for 5 -10 minutes,
> everything works again, but after aprox. 10 minutes everything
> freezed again.
>
>
> I've write to Ten Tec service last year and answer is this :
>
> First do RAM clear reset followed by a master reset and clear user
> memories
> and filter settings should be performed. RAM clear is as follows:
>

> 1. Orion off, power supply on.
> 2. Press and hold the LCK button just below the VFO B knob.
> 3.Turn on Orion and continue to hold the LCK button until Master
> Reset is
> displayed on the screen. BATTERY FAILURE may also be displayed,
> disregard.
> 4. Release the LCK button and allow the Orion to boot to 14.250.
> 5. Turn the Orion Off and perform the Master Reset using The MAIN
> RX/TX
> button. User memories and filter settings MUST be cleared.
> 6. If version 3 firmware is installed you will be asked if the
> RX-366 is installed, answer yes or no to this question.
>
> I've firmware 2.08b87 on, and now the freez problem come again
> I've follow all instruction, but ..... the problem one week ago
> come again.
>
> Other guy have this kind of problem ?
> This is may be a well know problem or not ?
> Or better, the question is if is possible to soleved this problem?
>
> Any answer are welcome.
>
> 73 de Claudio iz0krc.
>
>
>

11918. Logic Board.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 15:53:08 UTC
From: Fernando
Topic: 11918 Message: 11918

I surmise that component level diagnosis and repair is mostly

history. Yes, easier to find fault at board level and replace it.

Seems to be the trend with other consumer goods too.

Fernando N2FQ/6
n2fq@...

11919. Re: [orion565] Logic Board.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 16:14:47 UTC
From: Bob McGraw K4TAX
Topic: 11918 Message: 11919

As a rule, the advent of surface mount components require an advanced level of skills and dexterity and in many cases specialized equipment to remove and install new components. In instances of complex circuits, diagnosis by specialized test means, i.e. bed of nails tests, is also required. Secondly, the time involved to use component level diagnosis makes cost prohibitive where as replacement at board level is more cost effective.

If one looks at the productivity of a tech, likely they can repair 4 to 6 radios per day with board level techniques, where as component level repair brings that down to 1 or 2 units per day. In this event, a company will need 2 to 4 additional techs plus added capital investment of equipment to accomplish the same level of productivity. The cost of bringing on a tech {presuming one can find and hire them} is then totally cost prohibitive.

Yep, today we are rapidly approaching disposable / non-repairable products.

73

Bob, K4TAX

On 2/17/2017 9:53 AM, Fernando n2fq@... [orion565] wrote:
> I surmise that component level diagnosis and repair is mostly
>
> history. Yes, easier to find fault at board level and replace it.
>
> Seems to be the trend with other consumer goods too.
>
>
>
> Fernando N2FQ/6
> n2fq@... <mailto:n2fq@...>
>
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11920. Re: [orion565] Logic Board.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 16:48:08 UTC
From: Paul Booth
Topic: 11918 Message: 11920

Fernando, I agree. you could probably replace all the logic ICs for less than $50 even without diagnosing but today everyone just replaces boards. the homebrew that used to be in ham radio is disappearing but I understand too. The newer ones are getting very complicated. The biggest hangup to working on them comes if there are custom ICs. Probably not in the Ten Tec though. Good observation.

regards,

Paul, WA6IBU

From: mailto:orion565@yahoogroups.com
Sent: Friday, February 17, 2017 7:53 AM
To: mailto:orion565@yahoogroups.com
Subject: [orion565] Logic Board.

I surmise that component level diagnosis and repair is mostly

history. Yes, easier to find fault at board level and replace it.

Seems to be the trend with other consumer goods too.

Fernando N2FQ/6
n2fq@...

11921. Re: [orion565] Logic Board.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 17:49:50 UTC
From: tarniowy
Topic: 11918 Message: 11921

It is not that easy. Some of the components are very difficult to get and also need to be programmed.
ArekAC2FC

Sent from my Verizon, Samsung Galaxy smartphone
-------- Original message --------From: "'Paul Booth' wa6ibu@earthlink.net [orion565]" <orion565@yahoogroups.com> Date: 2/17/17 11:48 AM (GMT-05:00) To: "qrzthedx@gmail.com [orion565]" <orion565@yahoogroups.com> Subject: Re: [orion565] Logic Board.

Fernando, I agree. you could probably replace all the logic ICs for less than $50 even without diagnosing but today everyone just replaces boards. the homebrew that used to be in ham radio is disappearing but I understand too. The newer ones are getting very complicated. The biggest hangup to working on them comes if there are custom ICs. Probably not in the Ten Tec though. Good observation.

regards,

Paul, WA6IBU

From: mailto:orion565@yahoogroups.com

Sent: Friday, February 17, 2017 7:53 AM
To: mailto:orion565@yahoogroups.com

Subject: [orion565] Logic Board.

I surmise that component level diagnosis and repair is mostly

history. Yes, easier to find fault at board level and replace it.

Seems to be the trend with other consumer goods too.

Fernando N2FQ/6
n2fq@sbcglobal.net

11922. Re: [orion565] Logic Board.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 17:57:46 UTC
From: Bob McGraw K4TAX
Topic: 11918 Message: 11922

In looking at the schematics, some of the chips have 100 pins, some have 200 pins and some have 208 pins. I view these as not that easy to remove and replace unless one has specialized equipment for such. Some of those chips will cost way more than $50 each.

73

Bob, K4tax

On 2/17/2017 11:49 AM, tarniowy tarniowy@... [orion565] wrote:
> It is not that easy. Some of the components are very difficult to get
> and also need to be programmed.
>
> Arek
> AC2FC
>
>
>
> Sent from my Verizon, Samsung Galaxy smartphone
>
> -------- Original message --------
> From: "'Paul Booth' wa6ibu@... [orion565]"
> <orion565@yahoogroups.com>
> Date: 2/17/17 11:48 AM (GMT-05:00)
> To: "qrzthedx@... [orion565]" <orion565@yahoogroups.com>
> Subject: Re: [orion565] Logic Board.
>
> Fernando, I agree. you could probably replace all the logic ICs for
> less than $50 even without diagnosing but today everyone just replaces
> boards. the homebrew that used to be in ham radio is disappearing but
> I understand too. The newer ones are getting very complicated. The
> biggest hangup to working on them comes if there are custom ICs.
> Probably not in the Ten Tec though. Good observation.
> regards,
> Paul, WA6IBU
> *From:* mailto:orion565@yahoogroups.com
> *Sent:* Friday, February 17, 2017 7:53 AM
> *To:* mailto:orion565@yahoogroups.com
> *Subject:* [orion565] Logic Board.
>
> I surmise that component level diagnosis and repair is mostly
> history. Yes, easier to find fault at board level and replace it.
> Seems to be the trend with other consumer goods too.
> Fernando N2FQ/6
> n2fq@... <mailto:n2fq@...>
>

>
>
>

11923. Re: [orion565] Logic Board.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 20:49:53 UTC
From: Chuck Chandler
Topic: 11918 Message: 11923

From what Ten Tec told me, the Dragonball processor is no longer made, any old stock have deteriorated due to age and oxidation. The same is true to a lesser extent for the memory chips.

Basically, the only possible source for the logic boards is ones that have been pulled from Orion I's. T

73 de Chuck, WS1L

On Fri, Feb 17, 2017 at 11:57 AM, Bob McGraw K4TAX RMcGraw@Blomand.net [orion565] <orion565@yahoogroups.com> wrote:

>
>
> In looking at the schematics, some of the chips have 100 pins, some have
> 200 pins and some have 208 pins. I view these as not that easy to remove
> and replace unless one has specialized equipment for such. Some of those
> chips will cost way more than $50 each.
>
> 73
>
> Bob, K4tax
>
> On 2/17/2017 11:49 AM, tarniowy tarniowy@... [orion565] wrote:
>
>
> It is not that easy. Some of the components are very difficult to get and
> also need to be programmed.
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> Arek
> AC2FC
>
>
>
> Sent from my Verizon, Samsung Galaxy smartphone
>
> -------- Original message --------
> From: "'Paul Booth' wa6ibu@... [orion565]"
> <orion565@yahoogroups.com> <orion565@yahoogroups.com>
> Date: 2/17/17 11:48 AM (GMT-05:00)
> To: "qrzthedx@... [orion565]" <qrzthedx@...[orion565]>
> <orion565@yahoogroups.com> <orion565@yahoogroups.com>
> Subject: Re: [orion565] Logic Board.
>
>
>

> Fernando, I agree. you could probably replace all the logic ICs for less
> than $50 even without diagnosing but today everyone just replaces boards.
> the homebrew that used to be in ham radio is disappearing but I understand
> too. The newer ones are getting very complicated. The biggest hangup to
> working on them comes if there are custom ICs. Probably not in the Ten Tec
> though. Good observation.
>
> regards,
>
> Paul, WA6IBU
>
> *From:* mailto:orion565@yahoogroups.com <orion565@yahoogroups.com>
> *Sent:* Friday, February 17, 2017 7:53 AM
> *To:* mailto:orion565@yahoogroups.com <orion565@yahoogroups.com>
> *Subject:* [orion565] Logic Board.
>
>
>
> I surmise that component level diagnosis and repair is mostly
>
> history. Yes, easier to find fault at board level and replace it.
>
> Seems to be the trend with other consumer goods too.
>
>
>
> Fernando N2FQ/6
> n2fq@...
>
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Chuck Chandler
chandlerusm@...
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11924. Re: [orion565] TenTec Service

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-17 21:37:56 UTC
From: Barry Simpson
Topic: 11879 Message: 11924

Hi Chuck

I understand the logic of your decision. I had mistakenly thought that you wanted to have a working Orion whereas what you really want is a great up to date CW rig.

I have an Orion 2 - a very late version and one of the last made - as well as a very early K3 dating from around 2008. However, I have fully updated it and it works very well indeed so I think you will be very happy with your choice.

73

Barry VK2BJ

On 17 February 2017 at 23:16, Chuck Chandler chandlerusm@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Well, there is value to a working Orion, but only as long as it keeps
> working. The replacement logic board is a "working pull," and there are no
> New Old Stock around. There aren't even any NOS chips. So, the choice is
> to pay the additional $1000 for a really great radio that could suffer
> another unobtanium failure at any moment... requiring either another $1000
> or so to repair with uncertain lifespan... or replacement of the radio at
> that time, with an additional $1000 as a sunk cost.
>
> The closest equivalent I saw was the Elecraft K3S with subreceiver and the
> P3 Panadapter. In kit form they total about $4k. So, that is what is on
> the way to the WS1L shack.
>
> When the Orion gets back next week we shall see what condition it is in.
> If the logic board didn't get any worse, it continues to be usable, just
> refuses to boot every so often. It should be salable at some price, being
> upfront about its problems.
>
> Once I see what condition it is in after the repairs, I'll let you all
> know.
>
> 73 de Chuck, WS1L
>
> On Thu, Feb 16, 2017 at 9:40 PM, Barry Simpson vk2bj@...
> [orion565] <orion565@yahoogroups.com> wrote:
>
>>

>>
>> Hi Bob
>>
>> Those were my thoughts exactly.
>>
>> Barry VK2BJ
>>
>> On 17 February 2017 at 14:15, Bob McGraw K4TAX RMcGraw@...
>> [orion565] <orion565@yahoogroups.com> wrote:
>>
>>>
>>>
>>>
>>> Chuck: et al
>>>
>>> Well as I see it, if it takes $1000 to repair the Orion, what equivalent
>>> radio can you buy today for $1000? The answer is none! Yes, likely the
>>> resale value for a clean working unit is $1K or maybe more. But are you
>>> satisfied with the radio, its performance and features? Likely for one
>>> to replace the Orion with an equivalent radio today you'll be spending $2K
>>> to $4K or more. So you part it out say for ~ $1000. Still you'll need to
>>> lay out an additional $2K+ to get something decent in performance and
>>> features.
>>>
>>> I wouldn't be too hasty to jump to a decision. Seems to me logically
>>> repair is the answer.
>>>
>>> 73
>>> Bob, K4TAX
>>>
>>> On Feb 16, 2017 12:58 PM, "Chuck Chandler chandlerusm@...
>>>> [orion565]" <orion565@yahoogroups.com> wrote:
>>>>
>>>>
>>>> Well, got the call today... and it's not good news. My Orion has a bad
>>>> logic board, total for a complete repair would be more than it's worth.
>>>>
>>>> So, the A9 board is completely rebuilt, and all other boards, etc. are
>>>> checked and up to spec. I'll have the radio back next week.
>>>>
>>>> My best guess is I will either part it out, or offer it up for someone
>>>> who wants to go find a logic board.
>>>>
>>>> Takers?
>>>>
>>>> 73 de Chuck, WS1L
>>>>
>>>> --
>>>>
>>>>

>>>> ====================
>>>> Chuck Chandler
>>>> chandlerusm@gmail.com
>>>> ====================
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>>>> --
>>> Chuck
>>>
>>> Sent from my iPhone
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>>> Chuck Chandler
>>> chandlerusm@...
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> ====================
> Chuck Chandler
> chandlerusm@gmail.com
> ====================
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11925. New or Updated Website

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-18 02:33:56 UTC
From: Bob McGraw K4TAX
Topic: 11925 Message: 11925

Looks as though the older RKR Designs LLC website is no longer active.
However, I do find info for both Tentec and Alpha products at this link;

http://www.dishtronix.com/ten-tec/www.rkrdesignsllc.com/products/index.html

It does appear the info on the RKR site was combined with the Dishtronix
site. I'm not sure is there is anything for sale or not, although some
pricing is shown. Even so, at the above link one will find firmware
updates, manuals, schematics and other related information.

73

Bob, K4TAX

11926. Re: [orion565] Logic Board.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-18 16:30:08 UTC
From: Fernando
Topic: 11918 Message: 11926

Certainly in agreement.

Well, it seems the direction of new radios is to have processors.

As pointed out, difficult to repair and program.

I’m hopping that a different path is taken, similar to the PC.

Where there are many vendors and we can mix and match.

back to the mouse hole.

Fernando N2FQ/6
n2fq@...

> On Feb 17, 2017, at 12:49 PM, Chuck Chandler chandlerusm@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> From what Ten Tec told me, the Dragonball processor is no longer made, any old stock have deteriorated due to age and oxidation. The same is true to a lesser extent for the memory chips.
>
> Basically, the only possible source for the logic boards is ones that have been pulled from Orion I's. T
>
> 73 de Chuck, WS1L
>
> On Fri, Feb 17, 2017 at 11:57 AM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
> In looking at the schematics, some of the chips have 100 pins, some have 200 pins and some have 208 pins. I view these as not that easy to remove and replace unless one has specialized equipment for such. Some of those chips will cost way more than $50 each.
>
> 73
>
> Bob, K4tax
>
> On 2/17/2017 11:49 AM, tarniowy tarniowy@... <mailto:tarniowy@...> [orion565] wrote:
>>
>> It is not that easy. Some of the components are very difficult to get and also need to be programmed.
>>
>> Arek
>> AC2FC

>>
>>
>>
>> Sent from my Verizon, Samsung Galaxy smartphone
>>
>> -------- Original message --------
>> From: "'Paul Booth' wa6ibu@... <mailto:wa6ibu@...>
[orion565]"<orion565@yahoogroups.com> <mailto:orion565@yahoogroups.com>
>> Date: 2/17/17 11:48 AM (GMT-05:00)
>> To: "qrzthedx@... [orion565]" <mailto:qrzthedx@...[orion565]>
<orion565@yahoogroups.com> <mailto:orion565@yahoogroups.com>
>> Subject: Re: [orion565] Logic Board.
>>
>>
>>
>> Fernando, I agree. you could probably replace all the logic ICs for less than $50 even
without diagnosing but today everyone just replaces boards. the homebrew that used to be in
ham radio is disappearing but I understand too. The newer ones are getting very
complicated. The biggest hangup to working on them comes if there are custom ICs. Probably
not in the Ten Tec though. Good observation.
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>> regards,
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>> Sent: Friday, February 17, 2017 7:53 AM
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>> Subject: [orion565] Logic Board.
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>> I surmise that component level diagnosis and repair is mostly
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>> history. Yes, easier to find fault at board level and replace it.
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>>
>>
>> Fernando N2FQ/6
>> n2fq@... <mailto:n2fq@...>
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> ====================
> Chuck Chandler
> chandlerusm@... <mailto:chandlerusm@...>
> ====================
>
>
>

11928. Re: [orion565] New or Updated Website

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-18 17:52:53 UTC
From: John D.
Topic: 11925 Message: 11928

a while ago, the new, arrogant president of TT told me RKR is not affiliated at all with Ten-Tec. but yes, VERY confusing.

and to Chuck, congrats on the new rig. That's one hell of a radio! ya deserve it!

John D.
K3DBG

President of the Murgas Amateur Radio Club

sent from rooted Samsung S4

On Feb 17, 2017 9:35 PM, "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com> wrote:

>
>
> Looks as though the older RKR Designs LLC website is no longer active.
> However, I do find info for both Tentec and Alpha products at this link;
>
> http://www.dishtronix.com/ten-tec/www.rkrdesignsllc.com/
> products/index.html
>
> It does appear the info on the RKR site was combined with the Dishtronix
> site. I'm not sure is there is anything for sale or not, although some
> pricing is shown. Even so, at the above link one will find firmware
> updates, manuals, schematics and other related information.
>
> 73
>
> Bob, K4TAX
>
>
>

11929. How to connect footswitch to Orion 565?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-19 00:05:00 UTC
From: wb5ein@...
Topic: 11929 Message: 11929

I do hope that my question is not too sophomoric or laughable to this group. However, ...

On the rare occasion that I use my Orion I on SSB for contesting, I would really like to connect a footswitch for PTT control. I used this functionality during a contest at NQ4I and fell in love.

I must be missing something, but I can't seem to find the hidden instructions for how to take my footswitch and connect it properly to the Orion so that I have footswitch control with a headset.

With this limited information, can y'all point me in the direction of a workable solution?

Thanks in advance...and thanks to all members for the fantastic learning you have provided me through this forum.

--Larry S. Anderson, NN5O (ex-WB5EIN)
Tupelo, MS (birthplace of Elvis)

11930. RE: [orion565] How to connect footswitch to Orion 565?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-19 00:12:08 UTC
From: Duane Calvin
Topic: 11929 Message: 11930

I used the Heil Yaesu adapter with my Orion and it worked just fine. Footswitch plug is provided and activates the front panel PTT in the mic socket.

73, Duane

Duane Calvin, AC5AA

Austin, Texas

<mailto:ac5aa@...> ac5aa@...

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Saturday, February 18, 2017 6:05 PM
To: orion565@yahoogroups.com
Subject: [orion565] How to connect footswitch to Orion 565?

I do hope that my question is not too sophomoric or laughable to this group. However, ...

On the rare occasion that I use my Orion I on SSB for contesting, I would really like to connect a footswitch for PTT control. I used this functionality during a contest at NQ4I and fell in love.

I must be missing something, but I can't seem to find the hidden instructions for how to take my footswitch and connect it properly to the Orion so that I have footswitch control with a headset.

With this limited information, can y'all point me in the direction of a workable solution?

Thanks in advance...and thanks to all members for the fantastic learning you have provided me through this forum.

--Larry S. Anderson, NN5O (ex-WB5EIN)

Tupelo, MS (birthplace of Elvis)

11931. Re: [orion565] How to connect footswitch to Orion 565?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-19 01:27:10 UTC
From: Barry N1EU
Topic: 11929 Message: 11931

There are two ways to do it. The first is as Duane described, since there's a PTT input on the front panel mic jack. The second way is to use the PTT input on the rear panel Aux I/O DIN jack. The Orion shipped with a breakout cable for the Aux I/O that provided an RCA jack input for PTT.

Barry N1EU

On Sun, Feb 19, 2017 at 12:12 AM, 'Duane Calvin' ac5aa1@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> I used the Heil Yaesu adapter with my Orion and it worked just fine.
> Footswitch plug is provided and activates the front panel PTT in the mic
> socket.
>
>
>
> 73, Duane
>
>
>
> Duane Calvin, AC5AA
>
> Austin, Texas
>
> ac5aa@...
>
>
>
> *From:* orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> *Sent:* Saturday, February 18, 2017 6:05 PM
> *To:* orion565@yahoogroups.com
> *Subject:* [orion565] How to connect footswitch to Orion 565?
>
>
>
>
>
>
>
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> group. However, ...
>
>
>
> On the rare occasion that I use my Orion I on SSB for contesting, I would

> really like to connect a footswitch for PTT control. I used this
> functionality during a contest at NQ4I and fell in love.
>
>
>
> I must be missing something, but I can't seem to find the hidden
> instructions for how to take my footswitch and connect it properly to the
> Orion so that I have footswitch control with a headset.
>
>
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> With this limited information, can y'all point me in the direction of a
> workable solution?
>
>
>
> Thanks in advance...and thanks to all members for the fantastic learning
> you have provided me through this forum.
>
>
>
> --Larry S. Anderson, NN5O (ex-WB5EIN)
>
> Tupelo, MS (birthplace of Elvis)
>
>
>
>
>
>

11932. Re: [orion565] How to connect footswitch to Orion 565?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-19 01:28:37 UTC
From: Dr. Larry S. Anderson
Topic: 11929 Message: 11932

Wow! Duane, that is terrific! Thanks for the quite rapid response!

--Larry S. Anderson, NN5O

Sent from my iPhone

> On Feb 18, 2017, at 6:12 PM, 'Duane Calvin' ac5aa1@... [orion565]
<orion565@yahoogroups.com> wrote:
>
> I used the Heil Yaesu adapter with my Orion and it worked just fine. Footswitch plug is provided and activates the front panel PTT in the mic socket.
>
>
>
> 73, Duane
>
>
>
> Duane Calvin, AC5AA
>
> Austin, Texas
>
> ac5aa@...
>
>
>
> From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
> Sent: Saturday, February 18, 2017 6:05 PM
> To: orion565@yahoogroups.com
> Subject: [orion565] How to connect footswitch to Orion 565?
>
>
>
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>
>
>
>
> I do hope that my question is not too sophomoric or laughable to this group. However,
....
>
>
>
> On the rare occasion that I use my Orion I on SSB for contesting, I would really like to connect a footswitch for PTT control. I used this functionality during a contest at NQ4I and fell in love.
>

>
>
> I must be missing something, but I can't seem to find the hidden instructions for how to take my footswitch and connect it properly to the Orion so that I have footswitch control with a headset.
>
>
>
> With this limited information, can y'all point me in the direction of a workable solution?
>
>
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> Thanks in advance...and thanks to all members for the fantastic learning you have provided me through this forum.
>
>
>
> --Larry S. Anderson, NN5O (ex-WB5EIN)
>
> Tupelo, MS (birthplace of Elvis)
>
>
>
>
>
>
>

11933. Re: [orion565] How to connect footswitch to Orion 565?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-19 03:11:41 UTC
From: Bob McGraw K4TAX
Topic: 11929 Message: 11933

I found this in the manual on page 25 and on page 28. You can use either the AUX on the rear, or use pins 3 & 4 of the mike connector on the front.

"79) KEY
The rear panel key jack is wired in parallel with the front panel CW key jack (see description of (16) CW earlier in the manual for operation, wiring instructions and operation). An accessory cable, (p/n 46176) has been provided as part of the ORION packing kit for easier connection of the AUX I/O jack to accessory equipment. The cable is color coded as follows: WHITE = pin 1, audio input. YELLOW = pin 4, left side audio output. RED = pin 5, future assignment. BLACK = pin 3, push to talk. Ground from the 46176 cable is connected to pin 2. Pin 1 is used for a line level audio input from an accessory device (like a TNC or sound card for digital mode operation). There is a gain control available for this input accessible through the menu system. See the description under SSB MENU in Chapter 3. Pin 2 is ground. Pin 3 is a PTT connection. When grounded, the radio begins transmitting. Note if this pin is shorted to ground in CW mode, a key down carrier will be transmitted. This pin can be used for connection of a foot switch for SSB operation, or for accepting CW from an external keyer or computer generated output (like the CW keying output from popular contest logging software)."

Personally, I have my straight key connected to the AUX connector on the rear, pins 2 & 3 and have the Iambic paddle in the KEY jack on the front. By doing this one can use either and will not have to change any functions, switching, menus and such as both are instruments are active. In SSB mode I can use the straight key to place the radio and amp in transmit mode.

Hope this helps.

73

Bob, K4TAX

On 2/18/2017 6:05 PM, wb5ein@... [orion565] wrote:
>
> I do hope that my question is not too sophomoric or laughable to this
> group. However, ...
>
>
> On the rare occasion that I use my Orion I on SSB for contesting, I
> would really like to connect a footswitch for PTT control. I used
> this functionality during a contest at NQ4I and fell in love.

>
>
> I must be missing something, but I can't seem to find the hidden
> instructions for how to take my footswitch and connect it properly to
> the Orion so that I have footswitch control with a headset.
>
>
> With this limited information, can y'all point me in the direction of
> a workable solution?
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>
> Thanks in advance...and thanks to all members for the fantastic
> learning you have provided me through this forum.
>
>
> --Larry S. Anderson, NN5O (ex-WB5EIN)
>
> Tupelo, MS (birthplace of Elvis)
>
>

11942. Corsair II Manual

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-20 02:21:26 UTC
From: <bkemp@...>
Topic: 11942 Message: 11942

does anyone have a pdf copy of the manual for a Corsair II by chance. Can't open the link off the TT website.

Thanks

Bob

?

?

?

11943. Re: [orion565] Corsair II Manual

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-20 02:58:21 UTC
From: John D.
Topic: 11942 Message: 11943

Here is the link! I hope links are allowed! I just googled "TenTec Corsair 2 manual" and it was the top 2 results, and I did check to open it and it opens fine here...

https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0ahUKEwijraO41p3SAhUHwlQKHR03B4cQFggaMAA&url=http%3A%2F%2Fwww.tentec.com%2Fwp-content%2Fuploads%2F2016%2F05%2FCorsair_II_Manual6ca0.pdf&usg=AFQjCNG8Ze7Q05maEWP7veLIVT1HqSL25Q&sig2=hOdsiKTMCO7NB4SyvfJZWA&bvm=bv.147448319,d.eWE&cad=rja

Good luck!

On Sun, Feb 19, 2017 at 9:21 PM, bkemp@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> does anyone have a pdf copy of the manual for a Corsair II by chance.
> Can't open the link off the TT website.
> Thanks
> Bob
>
>
>
>
>
>

--

* John D.*
* K3DBG *
*President of *
The Murgas Amateur Radio Club <http://www.murgasarc.org/>

11944. Re: Orion 565 - freezed function with warm Wx temperature ?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-20 11:06:56 UTC
From: iz0krc@...
Topic: 11913 Message: 11944

Hi to all Thanks to the info received from N1Eu Barry and K4TAX, I've provided to Update my Orion 565 from version 3.030 to latest 3.032

During Update the program exchange only 33 lines of 10810 and Radio now is blocked (not function).
After launch Update, the status of PC after few minutes read this write "comunication with radio has failed..."
And on the Display of Radio there is this write:
"PROGRAM FLASH 28
FLASH UPDATE MODE
Press any key to exit".

But the Radio remain block witrh this write, and i turn off to restart Radio again.

I provided also to give Master Reset, but the Radio as always blocked.

Now when I turn On again the write on Orion is Version 3.030, and DSP have down grade.
After have DSP 2.08b87, and after Upgrade have now DSP 0.00b0.

Other curiosity. On the radio display under, also there is this new write : V2 mod not detect ???

This is strange because first of the upgrade from 3.0030 to 3.0032 sweep mode worked.
And sweep mode there is only with V2 modify on board.

I try to download the old version of Update 3.0030 by the new Ten Tec website, but the file is not complete.

RKR before yesterday closed the Ten Tec pages very useful.

A great confusion.

Maybe I decided to upgrade at the wrong time?

There are any advice about this ?

Now the radio is out of order :-(

Any ontribution are welcome.

73 de Claudio iz0krc.

11945. Re: [orion565] Re: Orion 565 - freezed function with warm Wx temperature ?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-20 12:48:34 UTC
From: Wayne Staples
Topic: 11913 Message: 11945

Hi Claudio

Try this link
http://www.dishtronix.com/ten-tec/www.rkrdesignsllc.com/support/product-documentation/product-documentation/ten-tec-565-orion/index.html

Download 3.3032x7b it should give you the full amount of data, some of
the earlier soft ware in recent sites are incomplete.

Best 73 Wayne VK4EU

On 20/02/17 21:06, iz0krc@... [orion565] wrote:
>
>
> Hi to all
> Thanks to the info received from N1Eu Barry and K4TAX, I've provided
> to Update my Orion 565 from version 3.030 to latest 3.032
>
> http://www.dishtronix.com/ten-tec/www.rkrdesignsllc.com/support/product-documentation/product-documentation/ten-tec-565-orion/index.htmlDuring
> Update the program exchange only 33 lines of 10810 and Radio now is
> blocked (not function).
> After launch Update, the status of PC after few minutes read this
> write "comunication with radio has failed..."
> And on the Display of Radio there is this write:
> "PROGRAM FLASH 28
> FLASH UPDATE MODE
> Press any key to exit".
> But the Radio remain block witrh this write, and i turn off to restart
> Radio again.
>
> I provided also to give Master Reset, but the Radio as always blocked.
>
> Now when I turn On again the write on Orion is Version 3.030, and DSP
> have down grade.
> After have DSP 2.08b87, and after Upgrade have now DSP 0.00b0.
>
> Other curiosity. On the radio display under, also there is this new
> write : V2 mod not detect ???
>
> This is strange because first of the upgrade from 3.0030 to 3.0032
> sweep mode worked.
> And sweep mode there is only with V2 modify on board.
>
> I try to download the old version of Update 3.0030 by the new Ten Tec

> website, but the file is not complete.
>
> RKR before yesterday closed the Ten Tec pages very useful.
>
> A great confusion.
>
> Maybe I decided to upgrade at the wrong time?
>
> There are any advice about this ?
>
> Now the radio is out of order :-(
>
> Any ontribution are welcome.
>
> 73 de Claudio iz0krc.
>
>
>
>

11946. Re: [orion565] Re: Orion 565 - freezed function with warm Wx temperature ?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-20 13:44:04 UTC
From: Bob McGraw K4TAX
Topic: 11913 Message: 11946

I found the correct file at the following link:
https://groups.yahoo.com/neo/groups/orion565/files

Scroll down the FILES page until you see the link, click on it and it
will download to your computer for installation.

Yes, the RKR site has been closed as per earlier published announcements.

73
Bob, K4TAX

On 2/20/2017 5:06 AM, iz0krc@... [orion565] wrote:
>
> Hi to all
>
> Thanks to the info received from N1Eu Barry and K4TAX, I've provided
> to Update my Orion 565 from version 3.030 to latest 3.032
>
> During Update the program exchange only 33 lines of 10810 and Radio
> now is blocked (not function).
> After launch Update, the status of PC after few minutes read this
> write "comunication with radio has failed..."
> And on the Display of Radio there is this write:
> "PROGRAM FLASH 28
> FLASH UPDATE MODE
> Press any key to exit".
> But the Radio remain block witrh this write, and i turn off to restart
> Radio again.
>
> I provided also to give Master Reset, but the Radio as always blocked.
>
> Now when I turn On again the write on Orion is Version 3.030, and DSP
> have down grade.
> After have DSP 2.08b87, and after Upgrade have now DSP 0.00b0.
>
> Other curiosity. On the radio display under, also there is this new
> write : V2 mod not detect ???
>
> This is strange because first of the upgrade from 3.0030 to 3.0032
> sweep mode worked.
> And sweep mode there is only with V2 modify on board.
>
> I try to download the old version of Update 3.0030 by the new Ten Tec
> website, but the file is not complete.
>

> RKR before yesterday closed the Ten Tec pages very useful.
>
> A great confusion.
>
> Maybe I decided to upgrade at the wrong time?
>
> There are any advice about this ?
>
> Now the radio is out of order :-(
>
> Any ontribution are welcome.
>
> 73 de Claudio iz0krc.
>
>

11947. Re: [orion565] Re: Orion 565 - freezed function with warm Wx temperature ?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-20 14:10:02 UTC
From: Barry N1EU
Topic: 11913 Message: 11947

The latest firmware for the 565 is available on the TenTec wiki here:
http://tentecwiki.org/lib/exe/fetch.php?media=565v3.032x7b.ruf.zip

There is no reason to try and load any other firmware version. It might help to try a different serial port type or different PC connected to the Orion.

Barry N1EU

On Mon, Feb 20, 2017 at 1:44 PM, Bob McGraw K4TAX RMcGraw@...t [orion565] <orion565@yahoogroups.com> wrote:

>
>
>
> I found the correct file at the following link:
> https://groups.yahoo.com/neo/groups/orion565/files
> Scroll down the FILES page until you see the link, click on it and it will
> download to your computer for installation.
>
>
> Yes, the RKR site has been closed as per earlier published announcements.
>
>
> 73
> Bob, K4TAX
>
>
>
> On 2/20/2017 5:06 AM, iz0krc@... [orion565] wrote:
>
>
>
> Hi to all
> Thanks to the info received from N1Eu Barry and K4TAX, I've provided to
> Update my Orion 565 from version 3.030 to latest 3.032
>
> During Update the program exchange only 33 lines of 10810 and Radio now is
> blocked (not function).
> After launch Update, the status of PC after few minutes read this write
> "comunication with radio has failed..."
> And on the Display of Radio there is this write:
> "PROGRAM FLASH 28
> FLASH UPDATE MODE
> Press any key to exit".

> But the Radio remain block witrh this write, and i turn off to restart
> Radio again.
>
> I provided also to give Master Reset, but the Radio as always blocked.
>
> Now when I turn On again the write on Orion is Version 3.030, and DSP have
> down grade.
> After have DSP 2.08b87, and after Upgrade have now DSP 0.00b0.
>
> Other curiosity. On the radio display under, also there is this new write
> : V2 mod not detect ???
>
> This is strange because first of the upgrade from 3.0030 to 3.0032 sweep
> mode worked.
> And sweep mode there is only with V2 modify on board.
>
> I try to download the old version of Update 3.0030 by the new Ten Tec
> website, but the file is not complete.
>
> RKR before yesterday closed the Ten Tec pages very useful.
>
> A great confusion.
>
> Maybe I decided to upgrade at the wrong time?
>
> There are any advice about this ?
>
> Now the radio is out of order :-(
>
> Any ontribution are welcome.
>
> 73 de Claudio iz0krc.
>
>
>
>

11948. Re: [orion565] Re: Orion 565 - freezed function with warm Wx temperature ?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-20 18:01:24 UTC
From: iz0krc@...
Topic: 11913 Message: 11948

Hi Barry, many thanks

I've download the file indicate in your link :
http://tentecwiki.org/lib/exe/fetch.php?media=565v3.032x7b.ruf.zip
http://tentecwiki.org/lib/exe/fetch.php?media=565v3.032x7b.ruf.zip

An finnaly my Orion 565 was update to latest version.

I've see also the link of Wayne VK4EM and Bob K4TAX, and thanks for all info.

Now I'm able to understund if Radio continuinig to have Freeze problem with hight temperature.
I hope no, but in any case follow the second advice by Bob K4TAX to ceck the A9 board and filter.

Many thnaks to all friends.
Best 73 de Claudio iz0krc.
Ciao.

11949. Update on Tentec & Alpha from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-21 16:54:34 UTC
From: Bob McGraw K4TAX
Topic: 11949 Message: 11949

Here is a Tentec and Alpha update from Mike Dishop. Quoted as
published on the Ten Tec Reflector.

73

Bob, K4TAX

This is from the TenTec Reflector, by Mike Dishop

OK, there is complaints that I don't communicate directly with you. Let me
see if I can actually post on the reflector correctly. I'm afraid I work
very
hard each day and don't have time to make posts and things like this so
I don't
quite know how to reply to a thread, but here goes. Something you might keep
in mind is if one of you make an ass out of yourself on a reflector it
doesn't
do anything but make you look stupid. Anything I say however will be
taken out
of context and distorted by some person to try to shed a bad light on me
or the
company. I have a number of people working for me who depend on this for
their
livelihood. Please think about what damage you are doing when you spread
outright lies that Ten Tec or Alpha is out of business. We have been
open and
working since I purchased the companies. Hundreds of radios have been
repaired,
including radios that were piled up and unrepaired by the previous owners.
Even the backlog at Alpha has been mostly cleared except for a few 87A's
which
are very difficult to get parts for. Alpha is producing amplifiers
entirely in
house now and has nothing but satisfied owners since I assumed control
of the
company. If anyone wants a brand new 9500, I've got one sitting on the shelf
waiting for you. We are caught up on ALL amplifier back orders. I've spent a
lot of time getting critical and long lead components back in stock. For
example, the ceramic plate choke and 160m coil form provider went out of
business and didn't tell us. This week we are receiving brand new designed
ceramic coil forms which is about the last specialty item I've had to
clear up.
The good news? We designed it in such a way that the TEN TEC roller inductor
will now have a ceramic coil form instead of the grooved fiberglass which is
the FIRST step to making more 238C antenna tuners! So there are HUNDREDS of
things happening behind the scenes you don't know about and frankly you

don't
need to know about. We are doing what we need to do as fast as we can do it.
If I publish everything I'm doing then competitors will think what a
great idea
and run with it. Think it won't happen? I can name a dozen products it has
happened on but if I do I'll just be accused of lying or sour grapes.
First let me thank each of you who expressed well wishes for me and Ten Tec.
I'm sure I've alienated some of you and I apologize if I make anyone
feel bad,
but frankly you have never stopped a single time to consider my situation. I
want to address directly the do not contact me about service for your
amateur
radio at Dishtronix. First off, I answer my own telephone unlike anyone else
in the industry. 614 675 2497 is my direct line right to my desk. So let me
ask you a question - is My job to get Ten Tec healthy and to get the company
to a point where it can supply hundreds of radios again? Or should I
spend my
time trying to arrange a $5 dial string for some obsolete radio sold to the
three previous owners before you when I was ten years old? Now perhaps one
phone call a day I can handle. But how about ten or twenty? Especially when
you want to talk to me for a half hour? I'm not in Tennessee. I'm in Ohio! I
have NO CLUE if they have a dial string or not. It is very plainly stated to
email them but despite the numerous postings about it you continue to
call me.
When you look up the number right there on the web it asks you to write
Ten Tec
but SOME of you just can't accept this and call anyway, and wonder why I am
irritated when you ask me about a dial string.
Let me ask you the same question. How many radios can the bench tech
repair if
he is on the phone with ten people a half hour each per day?
YES, TEN TEC HAS A TELEPHONE! Do you want to know the real reason it isn't
published? THE BENCH TECHS SUGGESTED GETING RID OF THE PHONE SO THEY CAN
ACTUALLY FIX RADIOS. There - I've just gone ahead and said it. Now you know.
Someone suggested I hire someone and pay them 12 dollars an hour to
answer the
phone. First off, get real. You have forgotten the unemployment insurance,
state employers tax, federal employers tax, social security withholding
of 7.5%
contribution by me. Add about 35-50 percent to that figure and you see it is
very close to 18 dollars an hour cost to me to pay a man 12 dollars per
hour.
Lets multiply that by 2080 hours in a year with no benefits. It is close
to 40
grand just to pay someone to talk to you about service. Now, just how many
radios do you think we repair? 10 a week? so spend 40K for 500 radios is $80
per service call. So instead of paying less than $300 on an average
repair not
it cost $400. Oh, that $25 dial string - now it is $125.
So you don't like my website. You don't like the grainy pictures that were

taken DIRECTLY from the RKR website. You don't like that I don't update it. You don't like that I don't have a professional advertising staff and a full time webmaster... Well guess what. ALL THAT TAKES MONEY THAT I DON"T HAVE AND
THAT YOU ARE NOT PAYING FOR. Please make your non-charitable donation checks out to Dishtronix, Inc and mail to PO Box 1007Bellefontaine, OH43311. If 500 of you each send me a thousand dollars I can hire all these people and
get the new ham products out we are working on sooner. All we need is money. We have the skilled people, the technology, the machinery - EVERYTHING we need
but money. Just wait until you see what we have planned for you.
Now I KNOW the above paragraph is going to really stir the pot. There are going to be those who are going to say why should we support you for free? Allow me to ask an equivalent question. If I subsidize Ten Tec and they loose
money, perhaps say on service, am I not extending charity to those of you who
get your radios repaired and dial strings? Have I made my point?
Here are your alternatives in case you don't get it. I can close TEN TEC, quit
answering the phone and quit repairing radios. If I do that I will get the next radio out sooner because I won't have to deal with this sort of gossip, rumors, lies, slander and negativity. I won't have to answer the phone about dial strings and tell you to follow the obvious established procedure of emailing service@....
So we have speech processors for sale, 612s whatever those are, all kinds of microphone cords and microphones and a whole bunch of the CW version Arduino radio in stock. We are working on the store. It will be just like the Alpha store. We have that up and running.
Guess what else we have working in TN? Anyone remember the missing WARC bands
in the Argonaut? Well they are in there now. I just need money to buy the parts. For every radio you can plan on needing about 100K investment in rolling inventory of parts at all times.
In the last year TT has gone from outsourcing all their circuit board manufacturing to returning it all in house under my roof. We built up a new surface mount facility using the income from the RX340 contracts we fulfilled
last year that enabled TEN TEC to stay open. Please forgive me for doing what I
have to do to keep the doors at TEN TEC open, no matter how much you disagree
with me or my methods.
What is the best website in the world and the glossiest advertising good for if
the doors close for good? Who is going to repair your radios or supply your dial strings then? WHERE SHOULD I EXPEND MY LIMITED RESOURCES/ WHERE WILL THEY DO THE MOST GOOD?
Frankly it doesn't matter what I do with Ten Tec. If I bring out a new

transceiver and you like it you will buy it. Except of course for the people overheard saying they would never buy a TEN TEC or an Alpha again because the future of the company is uncertain. Yet Rick-UFO brings out a new QRP radio from a group nobody has ever heard of, or somebody from Chinaputs a cheap amplifier on eBay and you fall all over yourselves to get one because it is cheap. Who cares that you never heard of them. Who cares about service? Witness the miracle of Baofeng and the WalMartization of America and the decline of Western civilization and the abundant lifestyle. It doesn't matter how it sounds or how good it works, only that it is CHEAP. I wish the government would subsidize my R&D and supply me slave labor like SOME companies benefit from.

How many of you have tried to get a 5 or ten year old transceiver repaired at IcoYasWood? Or get any kind of satisfaction out of them of any kind? I tried for a year to get through at one of the service departments for a certain XX-100 radio that I bought new with a problem. It never was resolved. I finally got a service manual through my friend who I have no idea how he managed to purchase it.

We have repaired over FIVE HUNDRED transceivers and amplifiers this last year.

Out of production Omni VI, Orion, Orion II, and supplied dial strings, PTO rebuild kits, etc.

This is my 18th year in the ham radio business. You can't find ONE person who says I screwed them over or did not deliver what I guaranteed I would do. How many times do I see on this reflector someone complains about TT service and ten people respond that their radio was repaired promptly, the price was reasonable and the radio works? Granted we don't get it right every single time. Factory techs miss things too. We are all human and prone to error. If you don't like how I'm handling things quit being part of the problem and be part of the solution. I hear all of this about how I should do this and that. It is real easy to say that I should do this and this and that. Or that "all" I need to do is put this feature and this feature from that radio over here and BINGO, there is the new product. Speaking as a degreed Electrical Engineer with about 45 years experience building electronics I can tell you quite frankly if you make a statement like that you are telegraphing to the world loud and clear that you have no idea how things work and that you have never commercially taken an electronic product to market. At the performance level we expect in modern equipment NOTHING is trivial. These high IP3 numbers don't happen by accident. I can tell you that for every circuit

board in my Prometheus amp there were sometimes two dozen previous circuit boards that worked 99%. 99% is easy. It is the 1% that kills you.
Good is not good enough if you intend to be great. Leave the engineering decisions to the engineers is usually a good practice. You wouldn't want me to
operate on you if you needed a kidney transplant would you? Wouldn't you want
a real doctor? Maybe even a specialist?
Discussion of features and wants are welcome as long as the discussion is constructive and positive. If I communicate through third parties it MIGHT be
because they can say things that I can't. I've got twenty bucks that says at least one person is going to take what I've said out of context and try to tear
me to shreds for it. This is exactly why I don't post in these things.
I would greatly appreciate those of you who when you hear some jackass spreading lies saying TT or Alpha is out of business to set them straight. these people are nothing but vicious trolls. It is called libel and it is a civil offense.
Ten Tec is making radios. Alpha is making amplifiers. I offered to bring back
the Eagle because it is a good receiver that doesn't make your ears bleed. It
sounds good and you can listen to it for hours. It gives the production people
something to do and keeps them busy until the next great radio is ready. Maybe
it enables us to build a supply line of parts that may be used in the next great radio. Maybe we have a strategy and a reason for doing things the way we
are.
As to the price, I tallied up what it takes for a K2, which uses the Jones filter incidentally, to do full featured 100W 160-6 all modes and it is over 2K. So the Eagle which is also a single conversion receiver and comes fully assembled and is also designed and made in America, and in my opinion sounds better is priced less. So please criticize my wonderful competitors equally.
Here might be a reason for buying a radio. Those who have Eagles keep them because they like how they sound and how they receive. That is why you buy one, not because of the price. You can drive a Rolls Royce or a Beetle. Beetles are fun if you don't mind being cold in the winter. Frankly if the difference between $1300 and $1700 is a major decision for you and you can't spend $400 to have what you want, well maybe you should find a hobby you can afford. If you really can't afford that extra $400 you better dig deep and buy
the radio that the company will still service even after it has been out of production just like we do every other Ten Tec because everything breaks eventually, and when it does you will be thankful you bought ours because we will still be here. How many 40 year old Icoms are still on the air?
I challenge any one of you to do better. Put your money up and purchase the company from me and you can do what you want with it. Until then I am very

sorry but somebody has to pay the bills and make the hard decisions and be criticized for it. If you want that job you can have it. I'll come to work for
you. I'd love to have a steady paycheck and not have to deal with negativity and vicious liars. It isn't going to be cheap however. Oh yes, you know I can
just give it all to the Chinese right? They could probably get you Eagles for
$500. What do you think that would do to the industry? Why would anyone want to invent anything better if you can get it for free? Hello Baofeng, anybody listening? If money is all you judge a radio quality by I can fix that. Of course you'll have to say goodbye to dial strings and PTOs forever.
73 de N8WFF

11950. Re: [orion565] Update on Tentec & Alpha from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-21 21:28:30 UTC
From: Alek Petkovic
Topic: 11949 Message: 11950

Wow! There's a man I'd really love to meet.

He's a doer and a go getter and we need so many more like him in the world today.

Thanks again Bob, for the relay.

73, Alek
VK6APK

On 22/02/2017 12:54 AM, Bob McGraw K4TAX RMcGraw@... [orion565] wrote:
>
> Here is a Tentec and Alpha update from Mike Dishop. Quoted as
> published on the Ten Tec Reflector.
>
> 73
>
> Bob, K4TAX
>
>
>

<snip>

--
From sunny Binningup
Our new house.
https://17coronation.wordpress.com

Family Businesses:
SP Electrical. www.spelectrical.net.au
The Velvet Fox. www.facebook.com/TheVelvetFox
Smart Design Electrical. 0417 602 032
Perth Interiors. https://www.instagram.com/perthinteriors/

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

11951. Pictures of the Tentec & Alpha Facility

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-21 22:32:57 UTC
From: Bob McGraw K4TAX
Topic: 11951 Message: 11951

Here is a site which as a few pictures of the Tentec and Alpha board manufacturing facility as it is today. Certainly these do not look like a company that is anywhere near going out of business.

http://www.dj0ip.de/alpha-ten-tec/

73

Bob, K4TAX

11952. Re: [orion565] Update on Tentec & Alpha from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-22 00:37:10 UTC
From: Wayne Staples
Topic: 11949 Message: 11952

Hi Bob

Thanks for posting Mike's statement it needed to happen lets hope it
shuts up the complainers and moaners. Three cheers Mike keep up the good
work and congratulations on aquireing Emtron.

Best 73 Wayne VK4EU

On 22/02/17 02:54, Bob McGraw K4TAX RMcGraw@... [orion565] wrote:
>
>
> Here is a Tentec and Alpha update from Mike Dishop. Quoted as
> published on the Ten Tec Reflector.
>
> 73
>
> Bob, K4TAX
>
>
> This is from the TenTec Reflector, by Mike Dishop
>
> OK, there is complaints that I don't communicate directly with you. Let me
> see if I can actually post on the reflector correctly. I'm afraid I
> work very
> hard each day and don't have time to make posts and things like this
> so I don't
> quite know how to reply to a thread, but here goes. Something you
> might keep
> in mind is if one of you make an ass out of yourself on a reflector it
> doesn't
> do anything but make you look stupid. Anything I say however will be
> taken out
> of context and distorted by some person to try to shed a bad light on
> me or the
> company. I have a number of people working for me who depend on this
> for their
> livelihood. Please think about what damage you are doing when you spread
> outright lies that Ten Tec or Alpha is out of business. We have been
> open and
> working since I purchased the companies. Hundreds of radios have been
> repaired,
> including radios that were piled up and unrepaired by the previous owners.
> Even the backlog at Alpha has been mostly cleared except for a few
> 87A's which
> are very difficult to get parts for. Alpha is producing amplifiers
> entirely in

> house now and has nothing but satisfied owners since I assumed control
> of the
> company. If anyone wants a brand new 9500, I've got one sitting on the
> shelf
> waiting for you. We are caught up on ALL amplifier back orders. I've
> spent a
> lot of time getting critical and long lead components back in stock. For
> example, the ceramic plate choke and 160m coil form provider went out of
> business and didn't tell us. This week we are receiving brand new designed
> ceramic coil forms which is about the last specialty item I've had to
> clear up.
> The good news? We designed it in such a way that the TEN TEC roller
> inductor
> will now have a ceramic coil form instead of the grooved fiberglass
> which is
> the FIRST step to making more 238C antenna tuners! So there are
> HUNDREDS of
> things happening behind the scenes you don't know about and frankly
> you don't
> need to know about. We are doing what we need to do as fast as we can
> do it.
> If I publish everything I'm doing then competitors will think what a
> great idea
> and run with it. Think it won't happen? I can name a dozen products it has
> happened on but if I do I'll just be accused of lying or sour grapes.
> First let me thank each of you who expressed well wishes for me and
> Ten Tec.
> I'm sure I've alienated some of you and I apologize if I make anyone
> feel bad,
> but frankly you have never stopped a single time to consider my
> situation. I
> want to address directly the do not contact me about service for your
> amateur
> radio at Dishtronix. First off, I answer my own telephone unlike
> anyone else
> in the industry. 614 675 2497 is my direct line right to my desk. So
> let me
> ask you a question - is My job to get Ten Tec healthy and to get the
> company
> to a point where it can supply hundreds of radios again? Or should I
> spend my
> time trying to arrange a $5 dial string for some obsolete radio sold
> to the
> three previous owners before you when I was ten years old? Now perhaps one
> phone call a day I can handle. But how about ten or twenty? Especially
> when
> you want to talk to me for a half hour? I'm not in Tennessee. I'm in
> Ohio! I
> have NO CLUE if they have a dial string or not. It is very plainly
> stated to

> email them but despite the numerous postings about it you continue to
> call me.
> When you look up the number right there on the web it asks you to
> write Ten Tec
> but SOME of you just can't accept this and call anyway, and wonder why
> I am
> irritated when you ask me about a dial string.
> Let me ask you the same question. How many radios can the bench tech
> repair if
> he is on the phone with ten people a half hour each per day?
> YES, TEN TEC HAS A TELEPHONE! Do you want to know the real reason it isn't
> published? THE BENCH TECHS SUGGESTED GETING RID OF THE PHONE SO THEY CAN
> ACTUALLY FIX RADIOS. There - I've just gone ahead and said it. Now you
> know.
> Someone suggested I hire someone and pay them 12 dollars an hour to
> answer the
> phone. First off, get real. You have forgotten the unemployment insurance,
> state employers tax, federal employers tax, social security
> withholding of 7.5%
> contribution by me. Add about 35-50 percent to that figure and you see
> it is
> very close to 18 dollars an hour cost to me to pay a man 12 dollars
> per hour.
> Lets multiply that by 2080 hours in a year with no benefits. It is
> close to 40
> grand just to pay someone to talk to you about service. Now, just how many
> radios do you think we repair? 10 a week? so spend 40K for 500 radios
> is $80
> per service call. So instead of paying less than $300 on an average
> repair not
> it cost $400. Oh, that $25 dial string - now it is $125.
> So you don't like my website. You don't like the grainy pictures that were
> taken DIRECTLY from the RKR website. You don't like that I don't
> update it.
> You don't like that I don't have a professional advertising staff and
> a full
> time webmaster... Well guess what. ALL THAT TAKES MONEY THAT I DON"T
> HAVE AND
> THAT YOU ARE NOT PAYING FOR. Please make your non-charitable donation
> checks out to Dishtronix, Inc and mail to PO Box 1007Bellefontaine,
> OH43311.
> If 500 of you each send me a thousand dollars I can hire all these
> people and
> get the new ham products out we are working on sooner. All we need is
> money.
> We have the skilled people, the technology, the machinery - EVERYTHING
> we need
> but money. Just wait until you see what we have planned for you.
> Now I KNOW the above paragraph is going to really stir the pot. There are
> going to be those who are going to say why should we support you for free?

> Allow me to ask an equivalent question. If I subsidize Ten Tec and
> they loose
> money, perhaps say on service, am I not extending charity to those of
> you who
> get your radios repaired and dial strings? Have I made my point?
> Here are your alternatives in case you don't get it. I can close TEN
> TEC, quit
> answering the phone and quit repairing radios. If I do that I will get the
> next radio out sooner because I won't have to deal with this sort of
> gossip,
> rumors, lies, slander and negativity. I won't have to answer the phone
> about
> dial strings and tell you to follow the obvious established procedure of
> emailing service@....
> So we have speech processors for sale, 612s whatever those are, all
> kinds of
> microphone cords and microphones and a whole bunch of the CW version
> Arduino
> radio in stock. We are working on the store. It will be just like the
> Alpha
> store. We have that up and running.
> Guess what else we have working in TN? Anyone remember the missing
> WARC bands
> in the Argonaut? Well they are in there now. I just need money to buy the
> parts. For every radio you can plan on needing about 100K investment in
> rolling inventory of parts at all times.
> In the last year TT has gone from outsourcing all their circuit board
> manufacturing to returning it all in house under my roof. We built up
> a new
> surface mount facility using the income from the RX340 contracts we
> fulfilled
> last year that enabled TEN TEC to stay open. Please forgive me for
> doing what I
> have to do to keep the doors at TEN TEC open, no matter how much you
> disagree
> with me or my methods.
> What is the best website in the world and the glossiest advertising
> good for if
> the doors close for good? Who is going to repair your radios or supply
> your
> dial strings then? WHERE SHOULD I EXPEND MY LIMITED RESOURCES/ WHERE WILL
> THEY DO THE MOST GOOD?
> Frankly it doesn't matter what I do with Ten Tec. If I bring out a new
> transceiver and you like it you will buy it. Except of course for the
> people
> overheard saying they would never buy a TEN TEC or an Alpha again
> because the
> future of the company is uncertain. Yet Rick-UFO brings out a new QRP
> radio
> from a group nobody has ever heard of, or somebody from Chinaputs a cheap

> amplifier on eBay and you fall all over yourselves to get one because
> it is
> cheap. Who cares that you never heard of them. Who cares about service?
> Witness the miracle of Baofeng and the WalMartization of America and the
> decline of Western civilization and the abundant lifestyle. It doesn't
> matter
> how it sounds or how good it works, only that it is CHEAP. I wish the
> government would subsidize my R&D and supply me slave labor like SOME
> companies
> benefit from.
> How many of you have tried to get a 5 or ten year old transceiver
> repaired at
> IcoYasWood? Or get any kind of satisfaction out of them of any kind? I
> tried
> for a year to get through at one of the service departments for a certain
> XX-100 radio that I bought new with a problem. It never was resolved. I
> finally got a service manual through my friend who I have no idea how he
> managed to purchase it.
> We have repaired over FIVE HUNDRED transceivers and amplifiers this
> last year.
> Out of production Omni VI, Orion, Orion II, and supplied dial strings, PTO
> rebuild kits, etc.
> This is my 18th year in the ham radio business. You can't find ONE
> person who
> says I screwed them over or did not deliver what I guaranteed I would
> do. How
> many times do I see on this reflector someone complains about TT
> service and
> ten people respond that their radio was repaired promptly, the price was
> reasonable and the radio works? Granted we don't get it right every single
> time. Factory techs miss things too. We are all human and prone to error.
> If you don't like how I'm handling things quit being part of the
> problem and be
> part of the solution. I hear all of this about how I should do this and
> that. It is real easy to say that I should do this and this and that.
> Or that
> "all" I need to do is put this feature and this feature from that
> radio over
> here and BINGO, there is the new product. Speaking as a degreed
> Electrical Engineer with about 45 years experience building
> electronics I can
> tell you quite frankly if you make a statement like that you are
> telegraphing
> to the world loud and clear that you have no idea how things work and
> that you
> have never commercially taken an electronic product to market. At the
> performance level we expect in modern equipment NOTHING is trivial.
> These high
> IP3 numbers don't happen by accident. I can tell you that for every
> circuit

> board in my Prometheus amp there were sometimes two dozen previous circuit
> boards that worked 99%. 99% is easy. It is the 1% that kills you.
> Good is not good enough if you intend to be great. Leave the engineering
> decisions to the engineers is usually a good practice. You wouldn't
> want me to
> operate on you if you needed a kidney transplant would you? Wouldn't
> you want
> a real doctor? Maybe even a specialist?
> Discussion of features and wants are welcome as long as the discussion is
> constructive and positive. If I communicate through third parties it
> MIGHT be
> because they can say things that I can't. I've got twenty bucks that
> says at
> least one person is going to take what I've said out of context and
> try to tear
> me to shreds for it. This is exactly why I don't post in these things.
> I would greatly appreciate those of you who when you hear some jackass
> spreading lies saying TT or Alpha is out of business to set them straight.
> these people are nothing but vicious trolls. It is called libel and it
> is a
> civil offense.
> Ten Tec is making radios. Alpha is making amplifiers. I offered to
> bring back
> the Eagle because it is a good receiver that doesn't make your ears
> bleed. It
> sounds good and you can listen to it for hours. It gives the
> production people
> something to do and keeps them busy until the next great radio is
> ready. Maybe
> it enables us to build a supply line of parts that may be used in the next
> great radio. Maybe we have a strategy and a reason for doing things
> the way we
> are.
> As to the price, I tallied up what it takes for a K2, which uses the Jones
> filter incidentally, to do full featured 100W 160-6 all modes and it
> is over
> 2K. So the Eagle which is also a single conversion receiver and comes
> fully
> assembled and is also designed and made in America, and in my opinion
> sounds
> better is priced less. So please criticize my wonderful competitors
> equally.
> Here might be a reason for buying a radio. Those who have Eagles keep them
> because they like how they sound and how they receive. That is why you buy
> one, not because of the price. You can drive a Rolls Royce or a Beetle.
> Beetles are fun if you don't mind being cold in the winter. Frankly if the
> difference between $1300 and $1700 is a major decision for you and you
> can't
> spend $400 to have what you want, well maybe you should find a hobby
> you can

> afford. If you really can't afford that extra $400 you better dig deep
> and buy
> the radio that the company will still service even after it has been
> out of
> production just like we do every other Ten Tec because everything breaks
> eventually, and when it does you will be thankful you bought ours
> because we
> will still be here. How many 40 year old Icoms are still on the air?
> I challenge any one of you to do better. Put your money up and
> purchase the
> company from me and you can do what you want with it. Until then I am very
> sorry but somebody has to pay the bills and make the hard decisions and be
> criticized for it. If you want that job you can have it. I'll come to
> work for
> you. I'd love to have a steady paycheck and not have to deal with
> negativity
> and vicious liars. It isn't going to be cheap however. Oh yes, you
> know I can
> just give it all to the Chinese right? They could probably get you
> Eagles for
> $500. What do you think that would do to the industry? Why would
> anyone want
> to invent anything better if you can get it for free? Hello Baofeng,
> anybody
> listening? If money is all you judge a radio quality by I can fix that. Of
> course you'll have to say goodbye to dial strings and PTOs forever.
> 73 de N8WFF
>
>
>
>

11953. Re: Update on Tentec & Alpha from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-22 01:46:51 UTC
From: n5tf@...
Topic: 11949 Message: 11953

I was involved in the actual blog which started an opinion string related to the customer demand for the current Eagle. In fact, the very subject line used by the Owner is his response was the line I crafted. I think myself and many others provided constructive well worded sound inputs based on current customer demands and from our many years of operating. All the responses I saw were respectful and heart felt. I don't think I saw any comments that did not end with best of luck, and parting words of encouragement. Frankly I was shocked to see the response and thought the owner's email presentation was arrogant, amateurish, and condescending. The owner even remarked that we should leave engineering to engineers. I reminded the owner in a private email that many of us are engineers and some with advanced degrees. If the owner's response is made more public ie beyond the TenTec faithful forums I believe it will do more harm than good. Not sure how a response like that of the owner's would appeal to people looking for a new radio. I will admit some of the comments/explanation on the customer service aspect via email were spot on. Overall I believe the email will alienate more than attract new business. I have owned Omni Ds, Omni 6 Plus, Orion 1, Omni VII, Orion 2. I currently own an Orion 1 that is active on my station working low signal/low band DX alongside an ICOM 7800. So... I have a long history of owning TenTec products. I am afraid that some Hams with connections to the owner are leading him to believe there will be demand for an Eagle costing $1600 to $1700....personally I don't see it. I hope the best for this company and I will buy a future radio but it won't be an Eagle.

N5TF, Terry

11954. Re: Pictures of the Tentec & Alpha Facility

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-22 12:06:49 UTC
From: vhklein@...
Topic: 11951 Message: 11954

Is this the new facility in TN or (as the caption suggests) in Ohio?

=Vic=
WA4THR

11955. Re: [orion565] Re: Pictures of the Tentec & Alpha Facility

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-22 14:31:29 UTC
From: Bob McGraw K4TAX
Topic: 11951 Message: 11955

The pictures are of the PC board fabrication facility in Ohio. Boards for Alpha and Tentec products are fabricated in this facility. At the time the picture was made the materials on the racks were for Tentec RX-340 receivers.

73

Bob, K4TAX

On 2/22/2017 6:06 AM, vhklein@... [orion565] wrote:
>
> Is this the new facility in TN or (as the caption suggests) in Ohio?
>
> =Vic=
> WA4THR
>
>

11956. Re: [orion565] Re: Pictures of the Tentec & Alpha Facility

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-22 14:57:35 UTC
From: Bob McGraw K4TAX
Topic: 11951 Message: 11956

The pictures are of the PC board fabrication facility in Ohio. Boards for Alpha and Tentec products are fabricated in this facility. At the time the picture was made the materials on the racks were for Tentec RX-340 receivers.

73

Bob, K4TAX

On 2/22/2017 6:06 AM, vhklein@... [orion565] wrote:
>
> Is this the new facility in TN or (as the caption suggests) in Ohio?
>
> =Vic=
> WA4THR
>
>

11957. Re: Update on Tentec & Alpha from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-22 20:09:19 UTC
From: Lynn Finch
Topic: 11949 Message: 11957

And, 73 TO N8WFF! That was a little rough on some of us but needed saying! Thank you Mike for bringing us up to date and assuring us that you are behind TenTec for the long haul. I have been a ham for 70 years. My first TenTec rig was a Triton IV and since then I have owned almost as many TenTec rigs as K4TAX. And, I look forward to owning the next TenTec rig to come out!

Now, will someone please point me to the website where I can download the firmware to update my Orion II (I think my EAGLE firmware is up to date). I could not find it on the TenTec website but I am sure Mike can get it there if we stop calling him on the phone! (Nor can we rule out my inability to find it on the website if it is already there).

Lynn Finch, W2MSJ

11962. no cw at all

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-23 06:54:08 UTC
From: g4ssx@...
Topic: 11962 Message: 11962

Hi
I am a new Member with a Orion 565 i have tried cw but with no Key i get dits all the Time also my Sub Rx is not Working.
I dont know if the Orion came with the sub rx installed ? as standard or not the Auto ATU is installed and working also the Button keep freecing sometimes,also the RF Imunity is very bad any Improuvements?
Any Help Please?
Kind Regards
Wolf G4ssx g4ssx@yahoo.co.uk
Many Thanks

11963. Re: [orion565] no cw at all

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-23 08:35:39 UTC
From: Wayne Staples
Topic: 11962 Message: 11963

Hi Wolf

All Orions have sub receivers I would say the first thing to do is a master reset if nothing changes check the version of software you have installed. You can check your version of software by push and hold the menu button it will show the software version on the screen. If the software starts with a 2 you should down load the latest version from the ten tec site version 3.3032x7 is the latest. I am assuming you have a Orion I if you have a Orion II do the same except the software number will be different. Thats enough for starters you will get plenty of good advice from others on the reflector to help as well.

Best 73 Wayne VK4EU

On 23/02/17 16:54, g4ssx@... [orion565] wrote:
>
>
> Hi
>
> I am a new Member with a Orion 565 i have tried cw but with no Key i
> get dits all the Time also my Sub Rx is not Working.
>
> I dont know if the Orion came with the sub rx installed ? as standard
> or not the Auto ATU is installed and working also the Button keep
> freecing sometimes,also the RF Imunity is very bad any Improuvements?
>
> Any Help Please?
>
> Kind Regards
>
> Wolf G4ssx g4ssx@...
>
> Many Thanks
>
>
>
>

11964. Re: [orion565] no cw at all

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-23 12:17:02 UTC
From: Barry N1EU
Topic: 11962 Message: 11964

For the dits all the time, make sure your headphones aren't plugged into
the key jack on the front panel and try turning off the internal keyer in
the CW Menu and see if the dits stop.

Barry N1EU

On Thu, Feb 23, 2017 at 3:35 AM, Wayne Staples vk4eu@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Hi Wolf
>
> All Orions have sub receivers I would say the first thing to do is a
> master reset if nothing changes check the version of software you have
> installed. You can check your version of software by push and hold the menu
> button it will show the software version on the screen. If the software
> starts with a 2 you should down load the latest version from the ten tec
> site version 3.3032x7 is the latest. I am assuming you have a Orion I if
> you have a Orion II do the same except the software number will be
> different. Thats enough for starters you will get plenty of good advice
> from others on the reflector to help as well.
>
> Best 73 Wayne VK4EU
>
> On 23/02/17 16:54, g4ssx@... [orion565] wrote:
>
> Hi
>
> I am a new Member with a Orion 565 i have tried cw but with no Key i get
> dits all the Time also my Sub Rx is not Working.
>
> I dont know if the Orion came with the sub rx installed ? as standard or
> not the Auto ATU is installed and working also the Button keep freecing
> sometimes,also the RF Imunity is very bad any Improuvements?
>
> Any Help Please?
>
> Kind Regards
>
> Wolf G4ssx g4ssx@...
>
> Many Thanks
>
>
>

>

11965. ALC action (or none) by high SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-23 15:33:22 UTC
From: pierre_rothenburger@...
Topic: 11965 Message: 11965

Hi all,
My Orion1 does not drive down power when SWR is high (say above 1:2 and even more beyond). No ALC action!
Something wrong here? My TR7 from Drake does it. Not so with my O1 from TT.
It is also annoying during matching with coupler. Left alone when antenna is disrupted all of a sudden(storm, etc..)
It must be added that my finals had been repaired after occurence of too large a SWR.
The PA radiator at the back tends to heat fairly quickly.
Any feedback on this would be very much appreciated.
Thanks in advance.
Pierre,
F3WT.

11966. Re: [orion565] ALC action (or none) by high SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-23 15:54:32 UTC
From: Jim Warner
Topic: 11965 Message: 11966

Check D1 on the A1 BPF board.
Jim WA9Z

On 2/23/2017 9:33 AM, pierre_rothenburger@... [orion565] wrote:
>
>
> Hi all,
>
> My Orion1 does not drive down power when SWR is high (say above 1:2 and
> even more beyond).
>
> No ALC action!
>
> Something wrong here? My TR7 from Drake does it. Not so with my O1 from TT.
>
> It is also annoying during matching with coupler. Left alone when
> antenna is disrupted all of a sudden(storm, etc..)
>
> It must be added that my finals had been repaired after occurence of
> too large a SWR.
>
> The PA radiator at the back tends to heat fairly quickly.
>
> Any feedback on this would be very much appreciated.
>
> Thanks in advance.
>
> Pierre,
>
> F3WT.
>
>
>

11967. Re: [orion565] ALC action (or none) by high SWR

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-23 16:01:01 UTC
From: Pierre Rothenburger
Topic: 11965 Message: 11967

Will do!
Thanks Jim.
Pierre F3WT

> Message du 23/02/17 16:54
> De : "Jim Warner jim@... [orion565]"
> A : orion565@yahoogroups.com
> Copie à :
> Objet : Re: [orion565] ALC action (or none) by high SWR
>
>

> Check D1 on the A1 BPF board.
> Jim WA9Z
>
> On 2/23/2017 9:33 AM, pierre_rothenburger@... [orion565] wrote:
> >
> >
> > Hi all,
> >
> > My Orion1 does not drive down power when SWR is high (say above 1:2 and
> > even more beyond).
> >
> > No ALC action!
> >
> > Something wrong here? My TR7 from Drake does it. Not so with my O1 from TT.
> >
> > It is also annoying during matching with coupler. Left alone when
> > antenna is disrupted all of a sudden(storm, etc..)
> >
> > It must be added that my finals had been repaired after occurence of
> > too large a SWR.
> >
> > The PA radiator at the back tends to heat fairly quickly.
> >
> > Any feedback on this would be very much appreciated.
> >
> > Thanks in advance.
> >
> > Pierre,
> >
> > F3WT.
> >
> >
> >

>
>

11968. Re: no cw at all

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-24 06:02:20 UTC
From: g4ssx@...
Topic: 11962 Message: 11968

many thanks wayne i have got the latest version but no luck still the same cw and no sub rx i have given it to be mended 73 de wolf g4ssx

11969. Re: no cw at all

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-24 06:03:45 UTC
From: g4ssx@...
Topic: 11962 Message: 11969

THANKS BARRY STILL THE SAME MUST BE A FAULT IN THE PROSESSOR 73 DE WOLF G4SSX

11970. Re: [orion565] Re: no cw at all

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-24 13:11:21 UTC
From: Bob McGraw K4TAX
Topic: 11962 Message: 11970

If you are using a straight key, it should have a Tip - Sleeve type connector and the internal Keyer must be turned OFF. When the key is closed the radio should produce a solid carrier.

Be sure the KEY is wired correctly and is either plugged into the 1/4" KEY jack on the front or the 1/8" KEY jack on the rear. These are wired parallel. Same for a paddle although it requires a Tip - Ring - Sleeve type plug. Normally the radio should power up with the internal keyer turned OFF.

73

Bob, K4TAX

On 2/24/2017 12:02 AM, g4ssx@... [orion565] wrote:
>
> many thanks wayne i have got the latest version but no luck still the
> same cw and no sub rx i have given it to be mended
>
> 73 de wolf g4ssx
>

11971. Re: [orion565] Re: no cw at all

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-24 13:45:45 UTC
From: Barry N1EU
Topic: 11962 Message: 11971

Unless I'm misunderstanding, OP claims the Orion transmits dits all the
time with no key (or headphones) plugged in and internal keyer turned off.

On Fri, Feb 24, 2017 at 8:11 AM, Bob McGraw K4TAX RMcGraw@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> If you are using a straight key, it should have a Tip - Sleeve type
> connector and the internal Keyer must be turned OFF. When the key is
> closed the radio should produce a solid carrier.
>
> Be sure the KEY is wired correctly and is either plugged into the 1/4" KEY
> jack on the front or the 1/8" KEY jack on the rear. These are wired
> parallel. Same for a paddle although it requires a Tip - Ring - Sleeve
> type plug. Normally the radio should power up with the internal keyer
> turned OFF.
>
> 73
>
> Bob, K4TAX
>
> On 2/24/2017 12:02 AM, g4ssx@... [orion565] wrote:
>
>
>
> many thanks wayne i have got the latest version but no luck still the same
> cw and no sub rx i have given it to be mended
> 73 de wolf g4ssx
>
>
>
>

11972. Re: [orion565] Re: no cw at all

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-24 13:54:24 UTC
From: John D.
Topic: 11962 Message: 11972

did you try the audio button, upper left above screen. I'm not in front of mine now, but change the "sub" to whatever the "main" Is and then turn the sub volume up to see if you hear anything. If not, make sure you have an antenna selected for the sub rx.

GL

John D.
K3DBG

President of the Murgas Amateur Radio Club

sent from rooted Samsung S4

On Feb 24, 2017 1:02 AM, "g4ssx@... [orion565]" <
orion565@yahoogroups.com> wrote:

>
>
> many thanks wayne i have got the latest version but no luck still the same
> cw and no sub rx i have given it to be mended
> 73 de wolf g4ssx
>
>

11973. Re: [orion565] Re: no cw at all

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-24 14:40:35 UTC
From: John D.
Topic: 11962 Message: 11973

I'm sorry, I meant the other left, ha! the audio button is on the upper RIGHT of the screen, I was half asleep when I replied.

I wouldn't assume it's broke just yet as far as CW goes. Unplug any headphones and external speakers from the back, as well as any keys or paddles ect... then go into the CW menu, highlight "internal keyer" and toggle between the 2 settings of on and off. See if that makes the string of dits start or stop.

Good luck!

John D.
K3DBG

President of the Murgas Amateur Radio Club

sent from rooted Samsung S4

On Feb 24, 2017 8:54 AM, "John D." <kc3dbg@...> wrote:

> did you try the audio button, upper left above screen. I'm not in front of
> mine now, but change the "sub" to whatever the "main" Is and then turn the
> sub volume up to see if you hear anything. If not, make sure you have an
> antenna selected for the sub rx.
>
> GL
>
> John D.
> K3DBG
>
> President of the Murgas Amateur Radio Club
>
> sent from rooted Samsung S4
>
> On Feb 24, 2017 1:02 AM, "g4ssx@... [orion565]" <
> orion565@yahoogroups.com> wrote:
>
>>
>>
>> many thanks wayne i have got the latest version but no luck still the
>> same cw and no sub rx i have given it to be mended
>> 73 de wolf g4ssx
>>
>>
>

11974. Re: [orion565] Re: no cw at all

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-24 15:28:02 UTC
From: w7iex
Topic: 11962 Message: 11974

Hello Wolf. From the sound of your original email, this rig is new to you. If so, AND you don't know the age of the battery, replace it. A weak battery has caused me some strange problems. Especially regarding the sub receiver.Just my opinion. Good luck. VanW7IEX

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: "'John D.' kc3dbg@gmail.com [orion565]" <orion565@yahoogroups.com>
Date: 02/24/2017 06:40 (GMT-08:00)
To: orion565@yahoogroups.com
Subject: Re: [orion565] Re: no cw at all

I'm sorry, I meant the other left, ha! the audio button is on the upper RIGHT of the screen, I was half asleep when I replied.
I wouldn't assume it's broke just yet as far as CW goes. Unplug any headphones and external speakers from the back, as well as any keys or paddles ect... then go into the CW menu, highlight "internal keyer" and toggle between the 2 settings of on and off. See if that makes the string of dits start or stop.
Good luck!

John D.
K3DBG

President of the Murgas Amateur Radio Club

sent from rooted Samsung S4
On Feb 24, 2017 8:54 AM, "John D." <kc3dbg@gmail.com> wrote:
did you try the audio button, upper left above screen. I'm not in front of mine now, but change the "sub" to whatever the "main" Is and then turn the sub volume up to see if you hear anything. If not, make sure you have an antenna selected for the sub rx.
GL

John D.
K3DBG

President of the Murgas Amateur Radio Club

sent from rooted Samsung S4
On Feb 24, 2017 1:02 AM, "g4ssx@yahoo.co.uk [orion565]" <orion565@yahoogroups.com> wrote:

many thanks wayne i have got the latest version but no luck still the same cw and no sub rx i have given it to be mended73 de wolf g4ssx

11975. Re: Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-26 21:44:43 UTC
From: bayou50@...
Topic: 11892 Message: 11975

Just an update, since adding the ground from radio to power supply and re-setting all power connections as per Bob, K4TAX suggestions. I haven't had any problems with the radio rebooting. Just used it heavily during the CQ 160 meter SSB contest and no problems at all.

Thanks to all and thanks again Bob. 73

Dale, KD5UVV

11976. Re: Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-27 23:04:22 UTC
From: wb0cff@...
Topic: 11892 Message: 11976

I vote with Barry and Bob. I had the same thing happen a couple years ago on my 565 and the internal power connector was oxidized from overheating. I replaced the internal one as well as the external one. The internal one showed most of the damage but I figured that if I did not put a fresh one on the power cord, the time to next failure would be shorter.

The parts are cheap.

Carl - WB0CFF

11977. Re: Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-27 23:10:51 UTC
From: wb0cff@...
Topic: 11892 Message: 11977

By the way, if you wish to check the health of your power connector, a quick and easy way to do it is measure the voltage at the spare 12 VDC RCA Jack on the back of the Orion. Mine would drop by almost 3 volts upon keying. Once the power connectors were replaced with fresh ones, the drop was more in the 0.5 to 0.75 VDC range. When not keyed, but in the receive mode the voltage at this jack is very near the power supply voltage.

73
Carl WB0CFF

11978. Re: [orion565] Re: Orion 1 rebooting on key up.

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-28 00:26:56 UTC
From: John Hudson
Topic: 11892 Message: 11978

Yep, for what was (is) a top class radio TT put the cheapest power connector on it. Replaced mine several years ago and never had a reboot issue since.

73
John
KO4XJ

On February 27, 2017 5:07:39 PM "wb0cff@... [orion565]" <orion565@yahoogroups.com> wrote:

> I vote with Barry and Bob. I had the same thing happen a couple years ago
> on my 565 and the internal power connector was oxidized from overheating.
> I replaced the internal
> one as well as the external one. The internal one showed most of the
> damage but I figured
> that if I did not put a fresh one on the power cord, the time to next
> failure would be shorter.
>
>
> The parts are cheap.
>
>
> Carl - WB0CFF

11979. Re: no cw at all

Yahoo group: orion565 (2014 — 2017)
Date: 2017-02-28 21:01:33 UTC
From: <k5lg@...>
Topic: 11962 Message: 11979

check mike connector, may be problem...unplug mikell

11980. Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-04 16:33:04 UTC
From: Ronald Smith
Topic: 2569 Message: 11980

I have the ORION 566/AT that I bought new in 2007, worked fine for 10 good years. Now every time I turn it on it does a "Master Reset". I've changed the battery and tightened the power connections on the TT 963 power supply. Wonder if I need/should change all the caps on PC board #78243. Once I reset the radio works fine until I turn it off. I had talked to TT years ago about doing a master reset and besides the main RX/TX when powering up I was told I could also use RAM Clear power up holding VFO B LCK until Battery Failure appears and then do a master reset. So far nothing has helped. I don't want to replace this fine radio, I'm looking for some help. Thanks...Ron

11981. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-04 18:30:10 UTC
From: Bob McGraw K4TAX
Topic: 2569 Message: 11981

Replace the electrolytic caps on the A9 board.

Bob, K4TAX

Sent from my iPhone

> On Mar 4, 2017, at 10:33 AM, Ronald Smith ron3cx3000a7@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I have the ORION 566/AT that I bought new in 2007, worked fine for 10 good years. Now every time I turn it on it does a "Master Reset". I've changed the battery and tightened the power connections on the TT 963 power supply. Wonder if I need/should change all the caps on PC board #78243. Once I reset the radio works fine until I turn it off. I had talked to TT years ago about doing a master reset and besides the main RX/TX when powering up I was told I could also use RAM Clear power up holding VFO B LCK until Battery Failure appears and then do a master reset. So far nothing has helped. I don't want to replace this fine radio, I'm looking for some help. Thanks...Ron
>

11982. Re: Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-04 19:53:38 UTC
From: ron3cx3000a7@...
Topic: 2569 Message: 11982

Thanks Bob, I'll give it a try...Ron KB7ZR

11983. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-04 20:06:49 UTC
From: mcelmer1
Topic: 2569 Message: 11983

Agree, R&R the A9 board. I have been through 3 of them over the lifespan of my Orion 1. And the factory did the work when it, the factory (on Dolly Parton Pkwy), was functioning.

Mike
W8TRN
----- Original Message -----
From: Bob McGraw K4TAX RMcGraw@... [orion565]
To: orion565@yahoogroups.com
Sent: Saturday, March 04, 2017 11:30
Subject: Re: [orion565] Master Reset

Replace the electrolytic caps on the A9 board.

Bob, K4TAX

Sent from my iPhone

On Mar 4, 2017, at 10:33 AM, Ronald Smith ron3cx3000a7@... [orion565] <orion565@yahoogroups.com> wrote:

I have the ORION 566/AT that I bought new in 2007, worked fine for 10 good years. Now every time I turn it on it does a "Master Reset". I've changed the battery and tightened the power connections on the TT 963 power supply. Wonder if I need/should change all the caps on PC board #78243. Once I reset the radio works fine until I turn it off. I had talked to TT years ago about doing a master reset and besides the main RX/TX when powering up I was told I could also use RAM Clear power up holding VFO B LCK until Battery Failure appears and then do a master reset. So far nothing has helped. I don't want to replace this fine radio, I'm looking for some help. Thanks...Ron

11984. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-04 22:20:27 UTC
From: ron3cx3000a7@...
Topic: 2569 Message: 11984

Thanks Mike, sure would be nice to be able to just buy a new board. At first glance it looked like a piece of cake, then I turned the board over, more there then I thought. Two of the nine caps are way off in value but while I'm at it I'll replace them all. I'll order parts on Monday after I buy some surface mount soldering equipment.

Ron KB7ZR

11985. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-04 22:55:16 UTC
From: Barry N1EU
Topic: 2569 Message: 11985

Huh? Why do you need surface mount soldering equipment to replace through-hole electrolytic capacitors? Those are the only caps that need replacing.

Maybe I'm missing something . . .

Barry N1EU

On Sat, Mar 4, 2017 at 10:20 PM, ron3cx3000a7@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Thanks Mike, sure would be nice to be able to just buy a new board. At
> first glance it looked like a piece of cake, then I turned the board over,
> more there then I thought. Two of the nine caps are way off in value but
> while I'm at it I'll replace them all. I'll order parts on Monday after I
> buy some surface mount soldering equipment.
>
> Ron KB7ZR
>
>

11986. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-04 23:19:42 UTC
From: ron3cx3000a7@...
Topic: 2569 Message: 11986

Barry, I've looked and with the close proximity of surface mount components I think better safe then sorry. Some will be easy, I'll see how they come out. Maybe I won't need any special soldering equipment at all. These 72 year old eyes aren't nearly as good as they were 25 years ago when I was building HB amps.

Thanks Ron KB7ZR

11987. RE: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-04 23:21:49 UTC
From: Wes Attaway (N5WA)
Topic: 2569 Message: 11987

Ron:

It is not real difficult to replace those capacitors using a regular soldering iron.

One method is to just pull the tops off the existing capacitors and then just heat the holes and pull out the wires. The new caps should go in just fine.

Wes Attaway (N5WA)

(318) 393-3289 - Shreveport, LA

Computer/Cellphone Forensics

AttawayForensics.com <http://www.attawayforensics.com>

_____

From: orion565@yahoogroups.com [mailto:orion565@yahoogroups.com]
Sent: Saturday, March 04, 2017 5:20 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Master Reset

Barry, I've looked and with the close proximity of surface mount components I think better safe then sorry. Some will be easy, I'll see how they come out. Maybe I won't need any special soldering equipment at all. These 72 year old eyes aren't nearly as good as they were 25 years ago when I was building HB amps.

Thanks Ron KB7ZR

11988. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 00:45:15 UTC
From: Bob McGraw K4TAX
Topic: 2569 Message: 11988

In general electrolytic capacitors do dry out with age and heat. In most instances they decrease in capacitive value. I've measured 100 uF capacitors to be in the order of 5 to 10 uf. Needless to say a 10 uf cap most often won't do the required function be it filtering or coupling expected of a 100 uF unit. If available in size and value of MFD and voltage select a unit rated at 105 degrees C. I recall the originals were rated at 85 degrees C. There is no need to go to a higher voltage or capacitive rated unit.

Also I recall someone had a order in place with Mouser or other company which comprises a complete set, correct values, size and voltage. A small tip soldering iron, temperature controlled, #18 or #20 Ga solder, a good light and maybe some magnification will make the job easy. A solder sucker and solder wick will be useful in removing the old component and clean up the pads ready for the new component. Be sure to note the polarity of the old caps and be sure the new ones are installed thusly.

73

Bob, K4TAX

On 3/4/2017 4:20 PM, ron3cx3000a7@... [orion565] wrote:
>
> Thanks Mike, sure would be nice to be able to just buy a new board. At
> first glance it looked like a piece of cake, then I turned the board
> over, more there then I thought. Two of the nine caps are way off in
> value but while I'm at it I'll replace them all. I'll order parts on
> Monday after I buy some surface mount soldering equipment.
>
> Ron KB7ZR
>
>

11989. RE: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 00:49:16 UTC
From: ron3cx3000a7@...
Topic: 2569 Message: 11989

Thanks Wes, first thing is to order all the caps. Never done it that way by pulling off the top of a cap, I'll try by pulling off one from a spare board that I have on the bench.

Ron KB7ZR

11990. Re: Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 01:30:51 UTC
From: wb2rhm@...
Topic: 2569 Message: 11990

Give the Ten-Tec 565 wiki a look over.

Here is a set of A9 specific postings with replacement part lists and a binch of tips and tricks for replacing the caps. Key point is very low ESR ratings for replacement caps and upping the temperature rating.
http://www.tentecwiki.org/doku.php?id=565pwrdistfail
http://www.tentecwiki.org/doku.php?id=565pwrdistfail

73, Ben WB2RHM

11991. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 02:11:33 UTC
From: Barry N1EU
Topic: 2569 Message: 11991

A9 Capacitors can be ordered here:

<goog_1751404093>
http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=b2c77f6165

Barry N1EU

On Sun, Mar 5, 2017 at 12:45 AM, Bob McGraw K4TAX RMcGraw@...
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> In general electrolytic capacitors do dry out with age and heat. In most
> instances they decrease in capacitive value. I've measured 100 uF
> capacitors to be in the order of 5 to 10 uf. Needless to say a 10 uf cap
> most often won't do the required function be it filtering or coupling
> expected of a 100 uF unit. If available in size and value of MFD and
> voltage select a unit rated at 105 degrees C. I recall the originals were
> rated at 85 degrees C. There is no need to go to a higher voltage or
> capacitive rated unit.
>
> Also I recall someone had a order in place with Mouser or other company
> which comprises a complete set, correct values, size and voltage. A small
> tip soldering iron, temperature controlled, #18 or #20 Ga solder, a good
> light and maybe some magnification will make the job easy. A solder sucker
> and solder wick will be useful in removing the old component and clean up
> the pads ready for the new component. Be sure to note the polarity of the
> old caps and be sure the new ones are installed thusly.
>
> 73
>
> Bob, K4TAX
>
> On 3/4/2017 4:20 PM, ron3cx3000a7@... [orion565] wrote:
>
>
>
>
> Thanks Mike, sure would be nice to be able to just buy a new board. At
> first glance it looked like a piece of cake, then I turned the board over,
> more there then I thought. Two of the nine caps are way off in value but
> while I'm at it I'll replace them all. I'll order parts on Monday after I
> buy some surface mount soldering equipment.
>
> Ron KB7ZR
>
>

>
>

11992. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 02:17:18 UTC
From: Bob McGraw K4TAX
Topic: 2569 Message: 11992

Thanks Barry. I knew I had seen a BOM which had been posted. Nice that someone did all the preliminary work.

73

Bob, K4TAX

On 3/4/2017 8:11 PM, Barry N1EU barry.n1eu@... [orion565] wrote:
> A9 Capacitors can be ordered here:
>
> <goog_1751404093>http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=b2c77f6165
>
> Barry N1EU
>
> On Sun, Mar 5, 2017 at 12:45 AM, Bob McGraw K4TAX RMcGraw@...
> [orion565] <orion565@yahoogroups.com
> <mailto:orion565@yahoogroups.com>> wrote:
>
> In general electrolytic capacitors do dry out with age and heat.
> In most instances they decrease in capacitive value. I've
> measured 100 uF capacitors to be in the order of 5 to 10 uf.
> Needless to say a 10 uf cap most often won't do the required
> function be it filtering or coupling expected of a 100 uF unit.
> If available in size and value of MFD and voltage select a unit
> rated at 105 degrees C. I recall the originals were rated at 85
> degrees C. There is no need to go to a higher voltage or
> capacitive rated unit.
>
> Also I recall someone had a order in place with Mouser or other
> company which comprises a complete set, correct values, size and
> voltage. A small tip soldering iron, temperature controlled, #18
> or #20 Ga solder, a good light and maybe some magnification will
> make the job easy. A solder sucker and solder wick will be useful
> in removing the old component and clean up the pads ready for the
> new component. Be sure to note the polarity of the old caps and
> be sure the new ones are installed thusly.
>
> 73
>
> Bob, K4TAX
>
>
> On 3/4/2017 4:20 PM, ron3cx3000a7@...
> <mailto:ron3cx3000a7@...> [orion565] wrote:
>>

>> Thanks Mike, sure would be nice to be able to just buy a new
>> board. At first glance it looked like a piece of cake, then I
>> turned the board over, more there then I thought. Two of the nine
>> caps are way off in value but while I'm at it I'll replace them
>> all. I'll order parts on Monday after I buy some surface mount
>> soldering equipment.
>>
>> Ron KB7ZR
>>
>
>
>

11993. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 02:32:15 UTC
From: ron3cx3000a7@...
Topic: 2569 Message: 11993

Thanks so much for the info, I'll order Mondat morning and will keep you posted.

Ron KB7ZR

11994. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 03:49:20 UTC
From: ron3cx3000a7@...
Topic: 2569 Message: 11994

Thanks for the tip on marking the board. I'll buy the entire kit if Mouser still sells it, I'll ask.

Thanks again for all the help and good ideas that I have received

11995. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 05:06:30 UTC
From: Wayne Staples
Topic: 2569 Message: 11995

I agree with replacing the caps on the power distribution board. When I repaired the board on my 565 Orion I used 63 volt low ESR caps bit of squeeze but they do fit and more likely last longer.

73 VK4EU Wayne.

On 05/03/17 02:33, Ronald Smith ron3cx3000a7@... [orion565] wrote:
>
>
> I have the ORION 566/AT that I bought new in 2007, worked fine for 10
> good years. Now every time I turn it on it does a "Master Reset". I've
> changed the battery and tightened the power connections on the TT 963
> power supply. Wonder if I need/should change all the caps on PC board
> #78243. Once I reset the radio works fine until I turn it off. I had
> talked to TT years ago about doing a master reset and besides the main
> RX/TX when powering up I was told I could also use RAM Clear power up
> holding VFO B LCK until Battery Failure appears and then do a master
> reset. So far nothing has helped. I don't want to replace this fine
> radio, I'm looking for some help. Thanks...Ron
>
>
>

11996. From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 15:10:53 UTC
From: Bob McGraw K4TAX
Topic: 11996 Message: 11996

This is copied from another source, the latest from Mike Dishop

A couple of days ago I made a post about being part of the solution rather
than part of the problem and how anyone could step up and make a difference.
Out of the 400+ thousand hams, one person took me seriously and sent me
a check
to help support Ten Tec. That gentleman's call is K5TN and to you sir, THANK
YOU from the top and bottom of my heart. I'm not cashing your check and will
send it back, but of everyone in the world who reads these forums, YOU
put your
money where your mouth is. It is nice to know that our company has one
absolutely true friend and supporter. It is nice to know that ONE person
really
wants to be part of the solution instead of part of the problem. Thank
you sir.

OK, lets talk CUSTOMER SERVICE

When I was quite a bit younger, I worked for a huge conglomerate that
shut down
the R&D department that with 5 people had driven more innovative
features that
made the company products sell than any other branch of the operation,
and they
shut it down. I questioned the wisdom of eliminating this department and the
talented team that really delivered. My boss explained to me that what good
was all the future development in the world if the company had to shut
down and
go out of business today? I learned a lesson here that I want to share with
you. What good is all the customer relations in the world if the company has
to close?

I've explained more than one time what I'm doing and why again and
again. Despite this I am repeatedly forced to spend my valuable time on
this.
Why?

I've explained why you can't talk to service. I've posted photos of our new
PCB assembly facility and we are still servicing every radio we have
made if we
can get the parts. It costs me a lot of money to keep Ten Tec open each
month. The only way I can do that is to take care of the commercial
customers
FIRST. They are the reason the company is open. Fortunately, that cash flow
is allowing me to reintroduce the other products one at a time. The Eagle is
next. Right or wrong, expensive or not expensive, there are people who

want to
buy Ten Tecs and that is a good radio. It isn't about what you can buy from Japan, China or elsewhere. It is about buying what you want. Ford trucks are generally cheaper than Chevy trucks. So why do people buy Chevrolet trucks? The truck is easier to work on for one. The drivetrain is more robust. At the
same time some say the Ford has a stronger frame. If you don't buy a car based
on the decision of price only, why should you buy a radio? You guys keep your
radios longer than you keep your cars usually, and you spend as much time or more using your radio than you do driving, so shouldn't you buy WHAT YOU WANT
and not worry so much about if the Eagle is 1600-1700 as compared to an Icom 7300 at 1300? My goodness if you pimp out a K2 and make it do everything an Eagle does you spend 2300 dollars! And the K2 is far below the Eagle on the Sherwood chart! Should they quit offering the K2 or lower their price? Doesn't the better performing Eagle deserve to sell for at least as much? After all they are both designed and made in America. Should all the K2 owners
dump them and buy Eagles because the Eagle is less expensive?

Someone said our customer service was "sub par". Robert went into full retirement end of last month. I'm sure he appreciated that comment. It probably will be worse than it was now that he is gone until I do something else.

Ten Tec is wholly owned by me since January 1 2016. To have sub par customer service I would have had to have sold you a radio. To whom have I sold a radio? What do I owe you? Fact: I am repairing the radios that the other people sold you. I don't owe you anything. I have no obligation to you to answer your email you or sell you my parts. I'm supporting you because we are
working on a new transceiver so that all the infrastructure will be there to continue on when it is ready. Maybe at that time we will have the cash flow supported by new sales to support the expensive and free customer service you
want.

The company isn't going to close as long as our expenses do not exceed our revenue. Think about that. this is the coldest and hardest fact of business that has to supersede EVERYTHING else and all discussions of if I am doing a good job or if customer service is good or not good. Anyone who thinks anything
other than this most basic tenant of business is a fool. I'm not going to spend money I don't have. So if you KEEP sending in your radios for repair (PLEASE EVERY BIT HELPS) and keep buying parts from us (PLEASE BE PATIENT WITH
THE EMAIL) and keep ordering the products that we do have (PLEASE WE DO WANT YOUR BUSINESS) then we can get this thing back on track. Look people I'm doing

this all by myself. I need time. We have moved in 12 calendar months from having stacks of un-repaired radios from RKR and no parts to build radios and no machinery to build them with to now having maybe a back log of 10-20 radios at any given time and usually nothing over thirty days, having moved into a cost effective and efficient facility in TN, setting up the new surface mount building in OH where we built THOUSANDS of boards in house last year for TEN TEC, and delivered HUNDREDS of new radios to customers, in addition to R&D on a new transceiver, all in one year. ONE YEAR. What did YOU do in your last year?

How can I improve customer service now? The next thing I am working on short term is our TEN TEC web store. I'm learning a little bit about how to do this myself. I even was able to post two news articles over on the Alpha RF Systems site. If you go there and click on the NEWS tab you can see my two articles, the first about the amps we are building in Colorado and the next about the SMD assembly facility in Ohio. I asked Boyd to take photos about the final assembly, repair and alignment center in Tennessee and when he gets those to me I will make a similar article for you to see on the TT website.

So what I am going to do next is make it so we can send repair invoices as a email to you where you can log in to your web cart, buy the repair and pay for it by checking out securely with your credit card. We have been testing this on the Alpha site for 4 months and it is working great! I'm also going to put what products we have like microphone cords, microphones, speech processors, etc and it will show real time inventory of units in stock! Next I will try to put dial string and PTO kits and batteries and little common items like that in the store and I hope this will stop the personal emails for dial strings.

Now of course the month I'm going to spend doing this is going to delay the launch of every other product by one month but who cares about that? We will have better customer service! Before I get this done I have to work on the corporate tax return due this month.

A special thank you to those of you who are patient, understanding, and support my efforts in this herculean task. Rick, Bob, Ron, and the rest of you who are regular contributors and who try to help people understand what we are doing -

I really appreciate it.

To those of you who are being critical you are not criticizing Ten Tec. You are
criticizing me and I take it personally. I didn't make this mess or gut the
company. I'm the guy keeping it alive and putting it back on track. What right
at all do you have to criticize me? Do I come in to your house and criticize
how you live your life, how you raise your kids, or judge you for why your wife
left you? If I did that you would say to me "What in the heck do you know
about me or my life or my house?" You'd tell me "There are perfectly valid
reasons for the choices I made". So why do I deserve to be treated
differently?

If you don't like what I'm doing, if you can't say something nice, then why not
just keep your mouth shut? What business is it of yours? If you bought a
transceiver from RKR or RFC you didn't buy it from me. If you have a beef, have
your beef with them, not me. Are you upset that I bought the assets of what
was left? I'm sick and tired of reading this drivel over and over again in
our forum. I am now going to formally appeal to the moderators and owners that
whenever this negative stuff is posted in the future that you just delete it
and don't even send it out. I believe I speak for us ALL that it is counter
productive and that we are ALL tired of hearing that the sky is falling! I
started this journey a year ago October and TEN TEC is still here, radios are
being repaired in a timely manner and radios are going out the door. When I
respond to this stuff I am wasting my time and it is just another lost hour
that a new radio isn't designed. You may not have anything better to do but I
do.

I need those of you who support TEN TEC to step up and start ripping to shreds
these jerks on eham and QRZ who raise this crap every three months? People who
spread lies and negativity damage the company and jeopardize people's jobs.
When somebody starts grinding their axe it is just like a little duck farting
under water, but when I respond and defend myself I get criticized and told I
should handle things this way or that way. It doesn't matter what I say, there
is criticism. So I generally just don't say anything at all, and then I'm
criticized for being non responsive. I loose no matter what I do. I
unloaded on somebody who was spreading out and out libel and then was told that
customers are going to question if I have the sanity to run a company

and don't
want to buy from me!

I know my own course. I know what I have to do. I know what I can do with what
I have to work with. I'm going to do what I have to do and that is the way it
is until something changes. It is going to take as long as it takes me. All the criticism in the world isn't going to change things. The only thing that is
going to change things is money. Time is money. It takes time to make money. As
I make money I do what I can do to bring TEN TEC back into the amateur market
one step at a time.

Just remember that every disparaging and negative remark delays the introduction of a new product by a day. If you get ripped to shreds on Monday,
how good are you at YOUR job the rest of the day? You know what my problem is? I can't walk off the job. I have people with families who depend on me. Good people who are hams just like you. Those are the people you hurt when you
spout your hate, negativity, jealousy or just stupid opinion for whatever reason or motivation you have. I don't want to hear it any more. No one here on the forum wants to hear it. This needs to stop and it needs to stop immediately.

73 DE N8WFF

11997. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 15:41:55 UTC
From: ron3cx3000a7@...
Topic: 2569 Message: 11997

Thanks, food for thought. I guess they're still working too.

Ron KB7ZR

11998. Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 16:11:00 UTC
From: ron3cx3000a7@...
Topic: 11996 Message: 11998

Well said! I wish you success with your endeavor as it should benefit all party's in the end. Patience is a virtue. Thanks for doing what you do!

Ron KB7ZR

11999. RE: [orion565] From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 20:09:31 UTC
From: w4my@...
Topic: 11996 Message: 11999

Anyone want to buy my beloved Orion II? I'm the original owner purchased in March 2012 near the end of production. Model 566AT, S/N 3051331190 w/366 2nd RX, two optional 600Hz CW roofing filters (one for each receiver), Auto Antenna Tuner, cooling fan. Firmware at 3.033xe. This package includes the 940 PS/Speaker combo, power cable, and felt dust covers made by Stan, W6ON. I changed the CPU battery last summer (2016).

Everything works PERFECT, I love this radio. It LOOKS PERFECT, 11/10, it has lived under the felt duct cover since I bought it. If they ever want to put an O2 in a museum, this is the one they would want. I have the original shipping box/inserts, original manual, and even the little bag of parts/connectors/goodies.

Hook this radio up to a good antenna system and you will NOT be able to top the ham radio experience with any other model rig on the planet! $3,995.00 Firm. Please contact me off list.

Marty / W4MY

-----Original Message-----
From: "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com>
Sent: Sunday, March 5, 2017 9:10am
To: orion565@...m, "Tentec Group" <TenTec@yahoogroups.com>, "Tentec Radio Net" <ten_tec_radio_net@yahoogroups.com>, TenTec_539@yahoogroups.com, TenTec_Eagle@yahoogroups.com, "Ten-Tec-Omni-VII@yahoogroups.com" <Ten-Tec-Omni-VII@...m>
Subject: [orion565] From another source, the latest from Mike Dishop

This is copied from another source, the latest from Mike Dishop

A couple of days ago I made a post about being part of the solution rather
than part of the problem and how anyone could step up and make a difference.
Out of the 400+ thousand hams, one person took me seriously and sent me
a check
to help support Ten Tec. That gentleman's call is K5TN and to you sir, THANK
YOU from the top and bottom of my heart. I'm not cashing your check and will
send it back, but of everyone in the world who reads these forums, YOU
put your
money where your mouth is. It is nice to know that our company has one
absolutely true friend and supporter. It is nice to know that ONE person
really
wants to be part of the solution instead of part of the problem. Thank
you sir.

OK, lets talk CUSTOMER SERVICE

When I was quite a bit younger, I worked for a huge conglomerate that
shut down
the R&D department that with 5 people had driven more innovative
features that

made the company products sell than any other branch of the operation, and they
shut it down. I questioned the wisdom of eliminating this department and the talented team that really delivered. My boss explained to me that what good was all the future development in the world if the company had to shut down and
go out of business today? I learned a lesson here that I want to share with you. What good is all the customer relations in the world if the company has to close?

I've explained more than one time what I'm doing and why again and again. Despite this I am repeatedly forced to spend my valuable time on this.
Why?

I've explained why you can't talk to service. I've posted photos of our new PCB assembly facility and we are still servicing every radio we have made if we
can get the parts. It costs me a lot of money to keep Ten Tec open each month. The only way I can do that is to take care of the commercial customers
FIRST. They are the reason the company is open. Fortunately, that cash flow is allowing me to reintroduce the other products one at a time. The Eagle is next. Right or wrong, expensive or not expensive, there are people who want to
buy Ten Tecs and that is a good radio. It isn't about what you can buy from Japan, China or elsewhere. It is about buying what you want. Ford trucks are generally cheaper than Chevy trucks. So why do people buy Chevrolet trucks? The truck is easier to work on for one. The drivetrain is more robust. At the
same time some say the Ford has a stronger frame. If you don't buy a car based
on the decision of price only, why should you buy a radio? You guys keep your
radios longer than you keep your cars usually, and you spend as much time or more using your radio than you do driving, so shouldn't you buy WHAT YOU WANT
and not worry so much about if the Eagle is 1600-1700 as compared to an Icom 7300 at 1300? My goodness if you pimp out a K2 and make it do everything an Eagle does you spend 2300 dollars! And the K2 is far below the Eagle on the Sherwood chart! Should they quit offering the K2 or lower their price? Doesn't the better performing Eagle deserve to sell for at least as much? After all they are both designed and made in America. Should all the K2 owners
dump them and buy Eagles because the Eagle is less expensive?

Someone said our customer service was "sub par". Robert went into full retirement end of last month. I'm sure he appreciated that comment. It probably will be worse than it was now that he is gone until I do something else.

Ten Tec is wholly owned by me since January 1 2016. To have sub par customer service I would have had to have sold you a radio. To whom have I sold a radio? What do I owe you? Fact: I am repairing the radios that the other people sold you. I don't owe you anything. I have no obligation to you to answer your email you or sell you my parts. I'm supporting you because we are working on a new transceiver so that all the infrastructure will be there to continue on when it is ready. Maybe at that time we will have the cash flow supported by new sales to support the expensive and free customer service you want.

The company isn't going to close as long as our expenses do not exceed our revenue. Think about that. this is the coldest and hardest fact of business that has to supersede EVERYTHING else and all discussions of if I am doing a good job or if customer service is good or not good. Anyone who thinks anything other than this most basic tenant of business is a fool. I'm not going to spend money I don't have. So if you KEEP sending in your radios for repair (PLEASE EVERY BIT HELPS) and keep buying parts from us (PLEASE BE PATIENT WITH THE EMAIL) and keep ordering the products that we do have (PLEASE WE DO WANT YOUR BUSINESS) then we can get this thing back on track. Look people I'm doing this all by myself. I need time. We have moved in 12 calendar months from having stacks of un-repaired radios from RKR and no parts to build radios and no machinery to build them with to now having maybe a back log of 10-20 radios at any given time and usually nothing over thirty days, having moved into a cost effective and efficient facility in TN, setting up the new surface mount building in OH where we built THOUSANDS of boards in house last year for TEN TEC, and delivered HUNDREDS of new radios to customers, in addition to R&D on a new transceiver, all in one year. ONE YEAR. What did YOU do in your last year?

How can I improve customer service now? The next thing I am working on short term is our TEN TEC web store. I'm learning a little bit about how to do this myself. I even was able to post two news articles over on the Alpha RF Systems site. If you go there and click on the NEWS tab you can see my two articles, the first about the amps we are building in Colorado and the next about the SMD assembly facility in Ohio. I asked Boyd to take photos about the final assembly, repair and alignment center in Tennessee and when he gets those to me I will make a similar article for you to see on the TT website.

So what I am going to do next is make it so we can send repair invoices as a email to you where you can log in to your web cart, buy the repair and pay for it by checking out securely with your credit card. We have been testing this on the Alpha site for 4 months and it is working great! I'm also going to put what products we have like microphone cords, microphones, speech processors, etc and it will show real time inventory of units in stock! Next I will try to put dial string and PTO kits and batteries and little common items like that in the store and I hope this will stop the personal emails for dial strings.

Now of course the month I'm going to spend doing this is going to delay the launch of every other product by one month but who cares about that? We will have better customer service! Before I get this done I have to work on the corporate tax return due this month.

A special thank you to those of you who are patient, understanding, and support my efforts in this herculean task. Rick, Bob, Ron, and the rest of you who are regular contributors and who try to help people understand what we are doing - I really appreciate it.

To those of you who are being critical you are not criticizing Ten Tec. You are criticizing me and I take it personally. I didn't make this mess or gut the company. I'm the guy keeping it alive and putting it back on track. What right at all do you have to criticize me? Do I come in to your house and criticize how you live your life, how you raise your kids, or judge you for why your wife left you? If I did that you would say to me "What in the heck do you know about me or my life or my house?" You'd tell me "There are perfectly valid reasons for the choices I made". So why do I deserve to be treated differently?

If you don't like what I'm doing, if you can't say something nice, then why not just keep your mouth shut? What business is it of yours? If you bought a transceiver from RKR or RFC you didn't buy it from me. If you have a beef, have your beef with them, not me. Are you upset that I bought the assets of what was left? I'm sick and tired of reading this drivel over and over again in our forum. I am now going to formally appeal to the moderators and owners that whenever this negative stuff is posted in the future that you just delete it and don't even send it out. I believe I speak for us ALL that it is counter productive and that we are ALL tired of hearing that the sky is falling! I started this journey a year ago October and TEN TEC is still here,

radios are
being repaired in a timely manner and radios are going out the door. When I
respond to this stuff I am wasting my time and it is just another lost hour
that a new radio isn't designed. You may not have anything better to do
but I
do.

I need those of you who support TEN TEC to step up and start ripping to
shreds
these jerks on eham and QRZ who raise this crap every three months?
People who
spread lies and negativity damage the company and jeopardize people's jobs.
When somebody starts grinding their axe it is just like a little duck
farting
under water, but when I respond and defend myself I get criticized and
told I
should handle things this way or that way. It doesn't matter what I say,
there
is criticism. So I generally just don't say anything at all, and then I'm
criticized for being non responsive. I loose no matter what I do. I
unloaded on somebody who was spreading out and out libel and then was
told that
customers are going to question if I have the sanity to run a company
and don't
want to buy from me!

I know my own course. I know what I have to do. I know what I can do
with what
I have to work with. I'm going to do what I have to do and that is the
way it
is until something changes. It is going to take as long as it takes me. All
the criticism in the world isn't going to change things. The only thing
that is
going to change things is money. Time is money. It takes time to make
money. As
I make money I do what I can do to bring TEN TEC back into the amateur
market
one step at a time.

Just remember that every disparaging and negative remark delays the
introduction of a new product by a day. If you get ripped to shreds on
Monday,
how good are you at YOUR job the rest of the day? You know what my problem
is? I can't walk off the job. I have people with families who depend on me.
Good people who are hams just like you. Those are the people you hurt
when you
spout your hate, negativity, jealousy or just stupid opinion for whatever
reason or motivation you have. I don't want to hear it any more. No one here
on the forum wants to hear it. This needs to stop and it needs to stop
immediately.

73 DE N8WFF

12000. For Sale 565AT

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-05 21:22:40 UTC
From: tom.hellem@...
Topic: 12000 Message: 12000

I have an Orion 565 with Auto Tuner that is surplus to my needs. Ser # is 06C10434. Cabinet and front are in good shape save for some minor scuffs on top. There are no extra roofing filters added to this rig, only what came stock from the factory. Radio works well EXCEPT - it has the RIT problem that has been documented on this reflector. I have a copy of the published fix for it in electronic form that I will provide to a buyer. The fix is not costly but does involve removal of the front panel. Because of this issue I am offering radio at approx. $200 discount to what seems to be the average asking price. You can have it for $775 plus shipping from zip 59801. Thanks for reading.

Tom
K0SN

12001. Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-06 01:45:08 UTC
From: n5tf@...
Topic: 11996 Message: 12001

The Latest TenTec Owner Rant - continues to alienate customers. Not sure why anyone would think it should be reposted. These rants just make him look very small and does nothing to help his business.

N5TF

12002. Re: [orion565] Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-07 03:25:21 UTC
From: Stephen Cannon
Topic: 11996 Message: 12002

Ten Tec is a small company. Having technical and knowledgeable personnel with un-reimbursed time to chat with you on the phone or answer emails is not something a small company can do (not and stay in business).

Mike bought Ten Tec not long ago. He has said that his focus is on going forward - I can appreciate that. He has retained technical staff to repair legacy products (products he did not sell). You have to keep in mind that Ten Tec was sold twice after the Orion II was discontinued. When a company sells, it often starts downsizing its stock of spare parts at least a year in advance and as I said Ten Tec was sold twice after the Orion II was discontinued. Spare parts for legacy Ten Tec radios must be low and many non-existent.

I know many people blame the current owner for legacy problems but there was trouble in the original Ten Tec company long before it was sold the first time. For instance look at all the legacy manuals - these are scans of manuals, there were none in electronic format available from Ten Tec. Even some of the kits offered back then came with an instruction manual that was a black & white scan of a scan of a scan - almost unreadable. Where were the electronic manual originals? Where were the Tech manuals (after all, this is amateur radio)?

Mike had said that the lifeblood of Ten Tec is the commercial sales. They just did a run of RX-340. I have one, a fine radio - but complicated for me. I read the manual and read the manual and finally sat down and typed it out (putting it in a form that was easier for me to read/understand, while changing none of the wording - further it was now in electronic format and not a scan). As I went through the list of suppliers, I had a few problems, many of the suppliers were no longer at that address, or phone number and some were no longer in business under that company name. I thought about replacing the phone numbers & addresses with the new ones I had found - but it was not my place as I did not work for Ten Tec. Mike ran into this problem when he went to make the run of new RX-340 radios. Sourcing new suppliers can be very difficult and time consuming. Further, should you as a manufacturer still be using the same spec'd parts? A few years ago things got financially tight in the electronics industry and the word from the front office (of the parts suppliers) was to make the parts to spec and nothing more - you see they had been making the parts more robust than spec. Manufacturers from all over the world began having trouble since the parts built exactly to spec were too light duty for the position they had inside the electronic devices. As many hams are aware we have had to change out a lot of capacitors - and not just in Ten Tec radios. Hams have been installing more robust components than originally came inside their radios for years - but that is just as it should be, after

all, this is amateur radio.

Mike did post some pictures of the new machinery that Ten Tec is using to make and populate boards for some of the current products - nice to see that being done "in house". Seeing this gives me hope for the future of Ten Tec, because it looks to me like he is doing things right.

Keep in mind that amateur radio is a hobby; have fun.

AD7TD

On 3/5/2017 6:45 PM, n5tf@... [orion565] wrote:
>
> The Latest TenTec Owner Rant - continues to alienate customers. Not
> sure why anyone would think it should be reposted. These rants just
> make him look very small and does nothing to help his business.
>
> N5TF
>
>
> --

12003. Re: [orion565] Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-07 09:17:09 UTC
From: Wayne Staples
Topic: 11996 Message: 12003

Hi All

I think everyone should just back off and get off Mike's back and let
him get on with it, or would you rather the Company for lack of support
fail. I am sure nobody wants that. Negative, uninformed and personal
posts in answer to Mike's statements are not helpful.

73 VK4EU Wayne

On 06/03/17 11:45, n5tf@... [orion565] wrote:
>
>
> The Latest TenTec Owner Rant - continues to alienate customers. Not
> sure why anyone would think it should be reposted. These rants just
> make him look very small and does nothing to help his business.
>
> N5TF
>
>

12004. Re: [orion565] Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-07 15:30:39 UTC
From: C Gessner
Topic: 11996 Message: 12004

Hmm
Well, I continue to be amazed at what folks are saying about TenTec. The owner certainly has the right to set the record straight regarding comments about his company. It amazes me that some folks just keep harping and harping about this and other company's like it. Its like some folks just want them to not succeed. We, as radio amateurs, should in my opinion be happy that TenTec is still in business for these many long years, selling and servicing its products. Warning. Just keep buying all this stuff from
Asia, just because its cheap. I have so many ham radio friends of mine say things like, 'Oh, I don't care. I will just buy the $30 radio. If it breaks I will throw it away
and buy another.' And others say that ham radio equipment is too too expensive for me. In my forty plus years as a ham radio operator, I have never found ham
radio equipment cheap.

Well, we have a new administrator in Washington now, who has suggested highly to 'Buy American', to create American jobs. Although there are hints that may not
be the entire case. Case in point, some sort of new pipeline is to be built. The administrator has said publicly that he feel that we should use American Steel products.
Yay is what I say. Other are saying that can't be the case because the pipes are already in the U.S. from foreign manufacturers. Its going to be interesting if he, and his people, can
do new 'deals' to rectify that situation. I sure hope that works.
Unfortunately I believe that Americans have a thirst for cheap stuff from no matter where its made. Well, I have said enough. In my opinion let this man try to keep his company, and his other company's, in operation. Leave well enough alone. Just shut up.
73 de Chuck W3oN

On 3/6/2017 10:25 PM, Stephen Cannon sugar_bears_home@...
[orion565] wrote:
>
> Ten Tec is a small company. Having technical and knowledgeable
> personnel with un-reimbursed time to chat with you on the phone or
> answer emails is not something a small company can do (not and stay in
> business).
>
> Mike bought Ten Tec not long ago. He has said that his focus is on
> going forward - I can appreciate that. He has retained technical
> staff to repair legacy products (products he did not sell). You have
> to keep in mind that Ten Tec was sold twice after the Orion II was

> discontinued. When a company sells, it often starts downsizing its
> stock of spare parts at least a year in advance and as I said Ten Tec
> was sold twice after the Orion II was discontinued. Spare parts for
> legacy Ten Tec radios must be low and many non-existent.
>
> I know many people blame the current owner for legacy problems but
> there was trouble in the original Ten Tec company long before it was
> sold the first time. For instance look at all the legacy manuals -
> these are scans of manuals, there were none in electronic format
> available from Ten Tec. Even some of the kits offered back then came
> with an instruction manual that was a black & white scan of a scan of
> a scan - almost unreadable. Where were the electronic manual
> originals? Where were the Tech manuals (after all, this is amateur
> radio)?
>
> Mike had said that the lifeblood of Ten Tec is the commercial sales.
> They just did a run of RX-340. I have one, a fine radio - but
> complicated for me. I read the manual and read the manual and
> finally sat down and typed it out (putting it in a form that was
> easier for me to read/understand, while changing none of the wording -
> further it was now in electronic format and not a scan). As I went
> through the list of suppliers, I had a few problems, many of the
> suppliers were no longer at that address, or phone number and some
> were no longer in business under that company name. I thought about
> replacing the phone numbers & addresses with the new ones I had found
> - but it was not my place as I did not work for Ten Tec. Mike ran
> into this problem when he went to make the run of new RX-340 radios.
> Sourcing new suppliers can be very difficult and time consuming.
> Further, should you as a manufacturer still be using the same spec'd
> parts? A few years ago things got financially tight in the
> electronics industry and the word from the front office (of the parts
> suppliers) was to make the parts to spec and nothing more - you see
> they had been making the parts more robust than spec. Manufacturers
> from all over the world began having trouble since the parts built
> exactly to spec were too light duty for the position they had inside
> the electronic devices. As many hams are aware we have had to change
> out a lot of capacitors - and not just in Ten Tec radios. Hams have
> been installing more robust components than originally came inside
> their radios for years - but that is just as it should be, after all,
> this is amateur radio.
>
> Mike did post some pictures of the new machinery that Ten Tec is using
> to make and populate boards for some of the current products - nice to
> see that being done "in house". Seeing this gives me hope for the
> future of Ten Tec, because it looks to me like he is doing things right.
>
> Keep in mind that amateur radio is a hobby; have fun.
>
> AD7TD
>

> On 3/5/2017 6:45 PM, n5tf@... [orion565] wrote:
>>
>> The Latest TenTec Owner Rant - continues to alienate customers. Not
>> sure why anyone would think it should be reposted. These rants just
>> make him look very small and does nothing to help his business.
>>
>> N5TF
>>
>> --
>
>

12005. Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-08 13:55:39 UTC
From: Terry Foskey
Topic: 11996 Message: 12005

Read and comprehend my comment. I wish TenTec the best. Just as the owner has the right to berate customers some with valid concern I have the right to say he is not helping himself with these tirades. He has a big challenge and people will support him if not alienated.

N5TF

Sent from my iPhone

12006. Re: [orion565] Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-09 02:26:15 UTC
From: Alek Petkovic
Topic: 11996 Message: 12006

Yep. In a way, I agree.

If you want the naysayers to STFU, the best way to achieve that is to ignore them. They will always be there. I mean, every married man knows that.

The only way forward is to produce the goods. That largely takes away their grounds. Except in the case of married men, of course.

If Mike gets to see this, I would say to him, let the idiots moan and whine. You can't legislate against dickheads. They don't pay your bills and they ain't gonna buy your stuff anyway.

Just do what you're doing and the alpha hotels will gradually fade into oblivion. That is, take care of the stuff you can do and the rest will take care of itself soon enough.

73
Alek. VK6APK
Orion 565 owner and in a few days, when the postman delivers it, used Eagle owner.

On 8/03/2017 9:55 PM, Terry Foskey n5tf@... [orion565] wrote:
>
> Read and comprehend my comment. I wish TenTec the best. Just as the
> owner has the right to berate customers some with valid concern I have
> the right to say he is not helping himself with these tirades. He has
> a big challenge and people will support him if not alienated.
>
> N5TF
>
> Sent from my iPhone
>
>

--
From sunny Binningup
Our new house.
https://17coronation.wordpress.com

Family Businesses:
SP Electrical. www.spelectrical.net.au
The Velvet Fox. www.facebook.com/TheVelvetFox
Smart Design Electrical. 0417 602 032
Perth Interiors. https://www.instagram.com/perthinteriors/

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

12007. Re: [orion565] Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-09 02:37:46 UTC
From: Bob McGraw K4TAX
Topic: 11996 Message: 12007

It would seem reasonable.....if the customers complain about the products, and if the customers complain about the company, and if the customers complain about the company's owner.....then couldn't the company's owner complain about the customers?

73

Bob, K4TAX

On 3/8/2017 8:26 PM, Alek Petkovic vk6apk@... [orion565] wrote:
>
> Yep. In a way, I agree.
>
> If you want the naysayers to STFU, the best way to achieve that is to
> ignore them. They will always be there. I mean, every married man
> knows that.
>
> The only way forward is to produce the goods. That largely takes away
> their grounds. Except in the case of married men, of course.
>
> If Mike gets to see this, I would say to him, let the idiots moan and
> whine. You can't legislate against dickheads. They don't pay your
> bills and they ain't gonna buy your stuff anyway.
>
> Just do what you're doing and the alpha hotels will gradually fade
> into oblivion. That is, take care of the stuff you can do and the rest
> will take care of itself soon enough.
>
> 73
> Alek. VK6APK
> Orion 565 owner and in a few days, when the postman delivers it, used
> Eagle owner.
>
>
> On 8/03/2017 9:55 PM, Terry Foskey n5tf@... [orion565] wrote:
>
>> Read and comprehend my comment. I wish TenTec the best. Just as the
>> owner has the right to berate customers some with valid concern I
>> have the right to say he is not helping himself with these tirades.
>> He has a big challenge and people will support him if not alienated.
>>
>> N5TF
>>
>> Sent from my iPhone
>>
>

> --
> From sunny Binningup
> Our new house.
> https://17coronation.wordpress.com
>
>
> Family Businesses:
> SP Electrical.www.spelectrical.net.au
> The Velvet Fox.www.facebook.com/TheVelvetFox
> Smart Design Electrical. 0417 602 032
> Perth Interiors.https://www.instagram.com/perthinteriors/
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> ---
> Avast logo
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email
&utm_content=emailclient>
>
>
> This email has been checked for viruses by Avast antivirus software.
> www.avast.com
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email
&utm_content=emailclient>
>
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>

12008. Re: [orion565] Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-09 03:51:32 UTC
From: Alek Petkovic
Topic: 11996 Message: 12008

Absolutely reasonable but you can't beat idiots at their own game.

I was told long ago that there are 3 kinds of people in the world and
all the evidence I've seen in the years since confirms it.

1. People who make it happen.
2. People who watch it happen.
3. People who wonder WTF happened.

We all get to choose our kind.

Cheers mate,
Alek.
VK6APK

On 9/03/2017 10:37 AM, Bob McGraw K4TAX RMcGraw@... [orion565]
wrote:
>
> It would seem reasonable.......if the customers complain about the
> products, and if the customers complain about the company, and if the
> customers complain about the company's owner..........then couldn't
> the company's owner complain about the customers?
>
>
> 73
>
> Bob, K4TAX
>
>
> On 3/8/2017 8:26 PM, Alek Petkovic vk6apk@... [orion565] wrote:
>>
>> Yep. In a way, I agree.
>>
>> If you want the naysayers to STFU, the best way to achieve that is to
>> ignore them. They will always be there. I mean, every married man
>> knows that.
>>
>> The only way forward is to produce the goods. That largely takes away
>> their grounds. Except in the case of married men, of course.
>>
>> If Mike gets to see this, I would say to him, let the idiots moan and
>> whine. You can't legislate against dickheads. They don't pay your
>> bills and they ain't gonna buy your stuff anyway.
>>
>> Just do what you're doing and the alpha hotels will gradually fade
>> into oblivion. That is, take care of the stuff you can do and the

>> rest will take care of itself soon enough.
>>
>> 73
>> Alek. VK6APK
>> Orion 565 owner and in a few days, when the postman delivers it, used
>> Eagle owner.
>>
>>
>> On 8/03/2017 9:55 PM, Terry Foskey n5tf@... [orion565] wrote:
>>
>>> Read and comprehend my comment. I wish TenTec the best. Just as the
>>> owner has the right to berate customers some with valid concern I
>>> have the right to say he is not helping himself with these tirades.
>>> He has a big challenge and people will support him if not alienated.
>>>
>>> N5TF
>>>
>>> Sent from my iPhone
>>>
>>
>> --
>> > From sunny Binningup
>> Our new house.
>> https://17coronation.wordpress.com
>>
>>
>> Family Businesses:
>> SP Electrical.www.spelectrical.net.au
>> The Velvet Fox.www.facebook.com/TheVelvetFox
>> Smart Design Electrical. 0417 602 032
>> Perth Interiors.https://www.instagram.com/perthinteriors/
>>
>>
>> ----------
>> Avast logo
>> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-emai
l&utm_content=emailclient>
>>
>>
>> This email has been checked for viruses by Avast antivirus software.
>> www.avast.com
>> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-emai
l&utm_content=emailclient>
>>
>>
>>
>
>

--
From sunny Binningup
Our new house.
https://17coronation.wordpress.com

Family Businesses:
SP Electrical. www.spelectrical.net.au
The Velvet Fox. www.facebook.com/TheVelvetFox
Smart Design Electrical. 0417 602 032
Perth Interiors. https://www.instagram.com/perthinteriors/

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

12009. Re: [orion565] Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-09 12:09:29 UTC
From: n5tf@...
Topic: 11996 Message: 12009

Just as reasonable to think that former customers don't want to hear the dribble from a whiny owner. He is in a customer interface business. He signed up for the job. Put on the big boy panties and the shut H up. If he produces a product that I like, I will buy it, if he doesn't then perhaps he will produce enough of something else to satisfy others and stay afloat. I have never seen someone that provided a product try to alienate a customer base. I agree with the email customer service interface system they have started. But there are serious issues with the web pages and customer interface function to include the owner. This is the very First time i have ever witnessed an owner of a business that interfaces with the public hoping to increase revenue and business by berating the customer base. He would be best to ignore, keep the trap shut and find some other manner to take out his frustration. Wish him well.

N5TF.
Terry

12010. Re: [orion565] Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-09 18:26:50 UTC
From: C Gessner
Topic: 11996 Message: 12010

Well, ya just can't let it alone. Pfffft.

On 3/9/2017 7:09 AM, n5tf@... [orion565] wrote:
>
> Just as reasonable to think that former customers don't want to hear
> the dribble from a whiny owner. He is in a customer interface
> business. He signed up for the job. Put on the big boy panties and
> the shut H up. If he produces a product that I like, I will buy it,
> if he doesn't then perhaps he will produce enough of something else to
> satisfy others and stay afloat. I have never seen someone that
> provided a product try to alienate a customer base. I agree with the
> email customer service interface system they have started. But there
> are serious issues with the web pages and customer interface function
> to include the owner. This is the very First time i have ever
> witnessed an owner of a business that interfaces with the public
> hoping to increase revenue and business by berating the customer base.
> He would be best to ignore, keep the trap shut and find some other
> manner to take out his frustration. Wish him well.
>
> N5TF.
> Terry
>
>

12011. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-09 22:46:57 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 12011

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Orion Powerpole installation.pdf
Uploaded by : w7zrc <w7zrc@...>
Description : Powerpole Installation Process

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/Orion%20Powerpole%20installation.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

w7zrc <w7zrc@...>

12012. Re: From another source, the latest from Mike Dishop

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-10 11:21:40 UTC
From: Onno PA1AP
Topic: 11996 Message: 12012

I don't understand the discussion from either side. It does not lead to anything.

Can we go back to discuss technology? discuss our fine orion radio? its an orphan and we adopted it in our radio room.

best regards Onno pa1ap

12013. Tentec Service Updates

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-15 18:16:52 UTC
From: Bob McGraw K4TAX
Topic: 12013 Message: 12013

F Y I -- From another reflector pertaining to recent repair of Tentec radios.

73

Bob, K4TAX

****

I should be getting my rig this Friday assuming they ship today, March 15th. I am supposed to get a tracking email today. Here is my complete timeline:

My first email request was never answered so I sent another a couple of weeks later....so, my 2nd email was sent on Feb 21...

Sent email to service at tentec dot com on Feb 21 requesting an RA for service and alignment.
Received a reply from Robert Marine on Feb 22 with an RA number and shipping instructions.
I shipped my rig on Tuesday, Feb 28 and they received it on Thursday March 2nd.
I got a phone call from Boyd yesterday, March 14th stating that the radio was ready.
Boyd said they did a complete alignment and "burn-in" as he called it where they run the rig in tx/rx cycles for 12 hours or so to make sure all is well.

The charges seem very reasonable and it was probably at the 1 hr minimum + shipping. So around $165.

So, it looks like door to door about 2 weeks. Impressive.

Kevin,
KE4CQ

****
****

My Omni VII developed an intermittent flicker in the display. I emailed TenTec and quickly received an RA number and the rig was shipped to them in February, arriving February 7. I received a phone call today from Tony saying my rig was repaired, aligned and ready to be shipped. The labor and return shipping just over $240. Not bad service! Contrary to the bad publicity TenTec is alive and doing repairs.

Process:

Email service at tentec.com - request RA number

Receive email with instructions

Ship rig with RA on outside label (I used FedEX)

Place inside box instructions including needed repairs and your contact information with phone number

Following repairs expect a phone call from TenTec at which time you provide a Credit Card number.

I did this late last year with my Orion and both transactions were smooth and professional.

Condy NI4Z

12014. 2017 Meet & Greet & Boneyard Sevierville TN - April 22

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-17 02:11:38 UTC
From: Bob McGraw K4TAX
Topic: 12014 Message: 12014
Attachments: 2 described; binary payloads are missing from this source WARC

Mark your calendars.

2017 Meet & Greet & Boneyard Sevierville TN

Our Second Year of The Event April 22nd start time 8am, close time 2 pm

Great Food-Great Fellowship and loads of Ham Gear

Sponsor by HRO - DX Engineering - ICOM USA, - 470 Amateur Radio Group
of East Tennessee & Ham's Helping Ham's

Gift Card from HRO, Door Prizes from ICOM and DX Engineering,

Next to the Sevier County Police Department, 300 Gary Wade Blvd.
Sevierville TN 37862

Menu this year is Hot Dogs, Hamburgers, Baked Beans & Slaw,, Bring your
own drinks and a extra chair to insure we have enough seats for all,
KI4CDA, Charlie, will give the invocation and blessing, plenty of
parking and Boneyard area, bring you Ham Radio Gear, to sell, trade
on..computers are welcome as we use in Amateur Radio

Bring the family and kids, there is a area for the kids...for more
information E Mail n4jtq@... if you have questions... more will
follow as it grows closer, may have several others come in still waiting
on confirmation ....

Don't forget to put this on your calendar !!! Rain or Shine ~~~

Image may contain: sky, cloud, outdoor and nature
<https://www.facebook.com/139798699433085/photos/pcb.1267203846692559/1267203700025907/?type=3>
Image may contain: sky, cloud, house and outdoor
<https://www.facebook.com/139798699433085/photos/pcb.1267203846692559/1267203763359234/?type=3>

Posted by: Bob McGraw K4TAX <rmcgraw@...>

12015. Loss of RX (Main Receiver)

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 14:31:49 UTC
From: Brian Sarkisian, KG8CO
Topic: 12015 Message: 12015

After leaving the Orion II on for a couple hours I have noticed that the Main RX loses RX.
Once I do a master reset it comes back to life.
Any thoughts would be appreciated.

Thank you

Brian, KG8CO

12016. Re: Loss of RX (Main Receiver)

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 15:59:14 UTC
From: Wolf Wita
Topic: 12015 Message: 12016

HiMY ORION 565 THE SUB RX DOES NOT WORK AT ALL.I WONDER IF IT CAME WITH A SUB RX ALREADY INSTALLED WHEN NEW?THANKS WOLF G4SSX

12017. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 16:26:21 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 12017

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /Recording (15).m4a
Uploaded by : w3att_ham <w3att_ham@...>
Description : CW Ticking in headphones

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/Recording%20%2815%29.m4a

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

w3att_ham <w3att_ham@...>

12018. Re: [orion565] Loss of RX (Main Receiver)

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 16:29:34 UTC
From: Bob McGraw K4TAX
Topic: 12015 Message: 12018

Have the caps on the A9 board been replaced? If not in the last few
years or specially since the radio was new, they are due for replacement.

Thanks to Barry, see the following:

"Here's a link to a $25 Orion spares kit you can order from Mouser with
caps, battery and encoders:

http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=0f1239a85b

I don't know the p/n of the DC connector so it wasn't included. I
haven't personally tried the 20mm shaft encoders but others report that
they work fine. Use at your own risk.

73, Barry N1EU"

73
Bob, K4TAX

On 3/21/2017 9:31 AM, 'Brian Sarkisian, KG8CO' cqkg8co@...
[orion565] wrote:
> After leaving the Orion II on for a couple hours I have noticed that
> the Main RX loses RX.
>
> Once I do a master reset it comes back to life.
>
> Any thoughts would be appreciated.
>
>
>
> Thank you
>
>
> Brian, KG8CO
>

12019. Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 16:32:00 UTC
From: w3att_ham@...
Topic: 11224 Message: 12019

It's been a while since I first had trouble with this - and still a problem.. I added a couple of resistors in series with the left and right channel of the headphone out, and the sound is hardly noticeable, but it also reduces the drive to the headphones (have to crank AF gain all the way up most times.)

I've uploaded a sound file to the files area:

https://xa.yimg.com/df/orion565/W3ATT+Orion+Sound+File.m4a?token=Vo5IHQQCCJ-Q01KeVXuIUCiG2j2E0XQaEmztFLgqk0Q_0QfnTvHeg_fTtjI96c9ZC9_jX16lz6YtmEJCJDs2oFE7KCgt4HKdu9Hs3ENeuLehz6EonkfUVtEdh09voHs&type=download https://xa.yimg.com/df/orion565/W3ATT+Orion+Sound+File.m4a?token=Vo5IHQQCCJ-Q01KeVXuIUCiG2j2E0XQaEmztFLgqk0Q_0QfnTvHeg_fTtjI96c9ZC9_jX16lz6YtmEJCJDs2oFE7KCgt4HKdu9Hs3ENeuLehz6EonkfUVtEdh09voHs&type=download

Any ideas??

Thanks, -Brian

12020. Re: [orion565] Re: Loss of RX (Main Receiver)

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 16:30:53 UTC
From: Bob McGraw K4TAX
Topic: 12015 Message: 12020

Yes, all Orion radios did have the 2nd receiver as shipped from Tentec.

73

Bob, K4TAX

On 3/21/2017 10:59 AM, Wolf Wita g4ssx@... [orion565] wrote:
> Hi
> MY ORION 565 THE SUB RX DOES NOT WORK AT ALL.I WONDER IF IT CAME WITH
> A SUB RX ALREADY INSTALLED WHEN NEW?
> THANKS WOLF G4SSX
>

12021. Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 16:39:15 UTC
From: RMcGraw@...
Topic: 11224 Message: 12021

The first thing, if not in place, I suggest one have a dedicated ground conductor between the radio ground terminal on the rear of the case and the power supply ground terminal. Second, make sure all station PL259's are very snug, not just finger tight. I keep a pair of 4" channel locks on the desk for this reason.

73
Bob, K4TAX

12022. Re: [orion565] Loss of RX (Main Receiver)

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 16:39:36 UTC
From: Brian Sarkisian, KG8CO
Topic: 12015 Message: 12022

Hello Bob ...
And thank you for the quick reply.
Just placed an order with Mouser.
Brian, KG8CO

From: "Bob McGraw K4TAX RMcGraw@... [orion565]" <orion565@yahoogroups.com>
To: orion565@yahoogroups.com
Sent: Tuesday, March 21, 2017 12:29 PM
Subject: Re: [orion565] Loss of RX (Main Receiver)

Have the caps on the A9 board been replaced? If not in the last few years or specially since the radio was new, they are due for replacement. Thanks to Barry, see the following: "Here's a link to a $25 Orion spares kit you can order from Mouser with caps, battery and encoders:

http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=0f1239a85b

I don't know the p/n of the DC connector so it wasn't included. I haven't personally tried the 20mm shaft encoders but others report that they work fine. Use at your own risk.

73, Barry N1EU"

73
Bob, K4TAX

On 3/21/2017 9:31 AM, 'Brian Sarkisian, KG8CO' cqkg8co@... [orion565] wrote:

After leaving the Orion II on for a couple hours I have noticed that the Main RX loses RX.
Once I do a master reset it comes back to life.
Any thoughts would be appreciated.

Thank you

Brian, KG8CO

12023. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 16:47:32 UTC
From: Steven Hammond
Topic: 11224 Message: 12023

Question about the grounding. I just bought a cooper ground bus (DX Engineering GBWM-W) and some grounding straps. I have straps going from the back of the O2 to this bus and I have a strap going from the P/S to the same bus. On the other end of the bus I have a strap going to my outside ground (via window passthrough). Is this the proper way to ground the system?

Steven Hammond
KY5M

On 3/21/2017 11:39 AM, RMcGraw@... [orion565] wrote:
>
> The first thing, if not in place, I suggest one have a dedicated
> ground conductor between the radio ground terminal on the rear of the
> case and the power supply ground terminal.
>
>
> Second, make sure all station PL259's are very snug, not just finger
> tight. I keep a pair of 4" channel locks on the desk for this reason.
>
> 73
> Bob, K4TAX
>

12024. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 16:44:59 UTC
From: Barry N1EU
Topic: 11224 Message: 12024

What are your CW QSK Delay and CW Rise/Fall settings on the CW Menu?

Barry N1EU

On Tue, Mar 21, 2017 at 12:32 PM, w3att_ham@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> It's been a while since I first had trouble with this - and still a
> problem.. I added a couple of resistors in series with the left and right
> channel of the headphone out, and the sound is hardly noticeable, but it
> also reduces the drive to the headphones (have to crank AF gain all the way
> up most times.)
>
> I've uploaded a sound file to the files area:
>
> https://xa.yimg.com/df/orion565/W3ATT+Orion+Sound+
> File.m4a?token=Vo5IHQQCCJ-Q01KeVXuIUCiG2j2E0XQaEmztFLgqk
> 0Q_0QfnTvHeg_fTtjI96c9ZC9_jX16lz6YtmEJCJDs2oFE7KCgt4HKdu
> 9Hs3ENeuLehz6EonkfUVtEdh09voHs&type=download
>
> Any ideas??
>
> Thanks, -Brian
>
>
>

12025. Re: [orion565] Loss of RX (Main Receiver)

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 16:48:03 UTC
From: Barry N1EU
Topic: 12015 Message: 12025

Actually, there's an A9 caps only package that can be ordered at:
http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=b2c77f6165

Barry N1EU

On Tue, Mar 21, 2017 at 12:29 PM, Bob McGraw K4TAX RMcGraw@Blomand.net
[orion565] <orion565@yahoogroups.com> wrote:

>
>
> Have the caps on the A9 board been replaced? If not in the last few
> years or specially since the radio was new, they are due for replacement.
>
> Thanks to Barry, see the following:
> "Here's a link to a $25 Orion spares kit you can order from Mouser with
> caps, battery and encoders:
>
> http://www.mouser.com/ProjectManager/ProjectDetail.
> aspx?AccessID=0f1239a85b
>
> I don't know the p/n of the DC connector so it wasn't included. I haven't
> personally tried the 20mm shaft encoders but others report that they work
> fine. Use at your own risk.
>
> 73, Barry N1EU"
>
> 73
> Bob, K4TAX
>
>
>
> On 3/21/2017 9:31 AM, 'Brian Sarkisian, KG8CO' cqkg8co@...
> [orion565] wrote:
>
>
> After leaving the Orion II on for a couple hours I have noticed that the
> Main RX loses RX.
>
> Once I do a master reset it comes back to life.
>
> Any thoughts would be appreciated.
>
>
>
> Thank you
>

>
> Brian, KG8CO
>
>
>
>

12026. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 17:09:59 UTC
From: w3att_ham@...
Topic: 11224 Message: 12026

Thanks for the reply, Barry...

CW QSK delay is 20%

Rise/Fall is 8ms..

12027. Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 17:18:32 UTC
From: w3att_ham@...
Topic: 11224 Message: 12027

I have all grounds in place, just like you describe. All equipment going to industrial main bus bar with short braided cable. Then short run to 8ft ground rod outside shack.

I should mention that this happens into any antenna or dummy load and with power from nothing to full power, grounded or ungrounded... it does not seem to matter. Everything I've tried yields the same result.

12028. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 17:41:53 UTC
From: Barry N1EU
Topic: 11224 Message: 12028

With those settings you shouldn't be hearing that click. I would do a Master Reset and see if that clears it up before proceeding on to further troubleshooting.

Barry N1EU

On Tue, Mar 21, 2017 at 1:09 PM, w3att_ham@yahoo.com [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Thanks for the reply, Barry...
>
> CW QSK delay is 20%
>
> Rise/Fall is 8ms..
>
>
>
>

12029. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 18:37:30 UTC
From: Bob McGraw K4TAX
Topic: 11224 Message: 12029

Steven:

I really can't answer that with a simply yes or no.

I always urge anyone to install all lightning protection devices and means outside of the house/structure. This included all feedlines, coax or balanced, and rotor control lines. These lightning protection devices must have a driven ground at that point. Regardless, if one uses a 8" x 1/2" ground rod or a 10" x 3/4" rod, be it driven straight down or at a 45 degree angle or such, it makes little difference. According to Sinesta Labs, most lightning energy is dispelled in the first 18" inches of the earth. Following this, and per NEC {National Electrical Code}, that driven ground must be bonded back to the AC mains ground located below or at the service entrance. I suggest a #4 solid copper as minimum for this application. And if one has a tower with grounds at its base, these as well must be bonded back to the AC mains ground. In other words, all driven grounds must be bonded together at a common point.

In my case I purchased a 100 ft roll of 1/2" soft copper water line and trenched it some 3" to 6" deep from my outside ground point, around the outside of the foundation of the house and to the ground point at the service entrance. My total run was about 75 ft.

As to station equipment, each item should be connected to a common ground point within the station and with a dedicated conductor. Do not daisy chain grounds. I prefer to use the station power supply as the common ground point. Also, the 3rd pin ground must be in place, again as per UL and NEC. For my ground jumpers I elected to use #10 AWG auto primary wire, fitted with a proper lug which is both crimped and soldered. Although I don't recall, I have read where ground braid is more inductive than encased stranded wire. Of course flexible braid is the better application when flexing is required. I use this method to bond the antenna mast that goes through the sleeve at the top of the tower. This assures the mast always has a solid connection to the tower and thus does not to rely on connection through the rotor assembly. {saves the rotor from lightning destruction}

As to grounding the station equipment to the outside, this is a point of discussion to which many will agree or disagree. Personally, I find it not necessary to do this. My station is on the 2nd floor of a 2 story wood house and operate near legal limit 160M - 6M without any issues. The omission of an outside station ground is mainly due to the length of the conductor connecting to the outside being often a significant part of a wavelength based on frequency. In many cases this use of an outside ground approach will cause more issues than being resolved.

Even in short ground runs, a case and point, a 8 ft ground conductor is about 1/4 wavelength electrically on 10M. This in effect may be a good DC ground but is very near 1/4 wavelength on 10M. This 1/4 wavelength of ground conductor in the presence of the RF radiation from the antenna will serve like an antenna and in effect force the equipment above RF ground. I do employ Common Mode Chokes on each feed line at the station. For these I have selected a product from The Wireman being model 8232. These are good for legal limit power, 1 MHz - 30 MHz. These are a 3 ft coax jumper fitted with a nice PL259 on each end.

Hope this answers your question. Each station requirement can be different and each installation can be different. But there are clearly defined guidelines with regard to any and all grounding schemes. I find there are several ways to do it correct and a lot more ways to do it incorrect. Many hams seem to over engineer their system, missing the overall objectives of personnel safety, structure safety and equipment safety.

73

Bob, K4TAX

On 3/21/2017 11:47 AM, Steven Hammond bcf1689@... [orion565] wrote:
>
> Question about the grounding. I just bought a cooper ground bus (DX
> Engineering GBWM-W) and some grounding straps. I have straps going
> from the back of the O2 to this bus and I have a strap going from the
> P/S to the same bus. On the other end of the bus I have a strap going
> to my outside ground (via window passthrough). Is this the proper way
> to ground the system?
>
> Steven Hammond
> KY5M
>
>
> On 3/21/2017 11:39 AM, RMcGraw@... [orion565] wrote:
>>
>> The first thing, if not in place, I suggest one have a dedicated
>> ground conductor between the radio ground terminal on the rear of the
>> case and the power supply ground terminal.
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>> Second, make sure all station PL259's are very snug, not just finger
>> tight. I keep a pair of 4" channel locks on the desk for this reason.
>>
>> 73
>> Bob, K4TAX
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>

12030. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 18:54:44 UTC
From: Steven Hammond
Topic: 11224 Message: 12030

Thanks! Yes, I just had a tower put up and it is ground (3 ground rods) as well. I can certainly tie the grounds together (they are all within 30' of each other). My real purpose is twofold.

1. Lightning strike protection - I always unplug the coax from the window passthrough when storms approach.
2. RFI - My OCFD (BuckMaster 7 Band 3KW) seems to radiate a LOT of RFI in the shack. I ask the folks who made it and they said it didn't need a RF CHOKE (but the balun is 6:1 voltage balun?). I will look into your suggestion from WIREMAN (enjoy buying from them).

No, I don't run anything by 100W or less at the moment. But with the tower only 20-30' from my shack window, and with a couple of dipoles and a yagi on the tower, I just wanted to do what I could.

My only question about tying all the ground rods together (tower+shack+mains) is this. Should I also disconnect the wire from the ground on the passthrough during a storm? I don't want a lightning strike to find it's way to my equipment.

Thanks again,

Steven Hammond
KY5M

On 3/21/2017 1:37 PM, Bob McGraw K4TAX RMcGraw@... [orion565] wrote:
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> I really can't answer that with a simply yes or no.
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> means outside of the house/structure. This included all feedlines,
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> Regardless, if one uses a 8" x 1/2" ground rod or a 10" x 3/4" rod, be
> it driven straight down or at a 45 degree angle or such, it makes
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> is dispelled in the first 18" inches of the earth. Following this,
> and per NEC {National Electrical Code}, that driven ground must be
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> application. And if one has a tower with grounds at its base, these
> as well must be bonded back to the AC mains ground. In other words,
> all driven grounds must be bonded together at a common point.
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> and soldered. Although I don't recall, I have read where ground
> braid is more inductive than encased stranded wire. Of course
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> On 3/21/2017 11:47 AM, Steven Hammond bcf1689@... [orion565] wrote:
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>>> Second, make sure all station PL259's are very snug, not just finger
>>> tight. I keep a pair of 4" channel locks on the desk for this reason.
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12031. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 19:43:01 UTC
From: Bob McGraw K4TAX
Topic: 11224 Message: 12031

Steven:

From experience and what I've measured and read, OCFD antennas are noted to have or produce conditions where Common Mode currents do occur. According to many authorities there should be a minimum of two chokes with the OCFD antenna. One at the antenna feed point, and one at the station as a minimum. A third can be located along the feed line, depending on length and orientation to the radiating wire. Ideally the feed line should approach the antenna in a perpendicular plane and not under or parallel with the antenna, being worst case. I, along with others, view many to most commercial OCFD antennas to be incorrectly designed and built. See the following link for more info:

http://www.dj0ip.de/off-center-fed-dipole/what-s-wrong-ocfd/

At this link you will find a vast amount of real life info on antennas, baluns, matching, CMC and other worthwhile topics. I suggest you take time to explore his work.

As to your last question, the only safe approach is to disconnect every piece of equipment and put it under the bed. HI HI

Lightning will take and find the path of least resistance. If the driven grounds are not securely bonded together, and your equipment is attached to one of these grounds, then you will have at least two paths. One via the ground system and the other is via the electrical system, or perhaps other path. Thus your equipment is in this path. This is primarily the reason, among others, why I do not use a dedicated external ground for my station. I intend to stop lightning on the outside and keep it on the outside thus not providing a path on the inside to the outside. The idea is to have one system and one path. Don't forget about the computer and the related interface to the station. Same with your phone and cable system. These paths are often overlooked by most hams in system planning.

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Bob, K4TAX

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12032. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 21:27:31 UTC
From: Steven Hammond
Topic: 11224 Message: 12032

Thanks for the article. It was a good read. Yea, I recognize the balun issue with most OCFD antennas. Just curious, I'm looking at putting a remote antenna switch on the tower so that the OCFD, dipoles, yagi, etc all feed into it near the top of tower. Would I place the RF CHOKE on each line between the antenna and switch OR just make sure I have one on the 1 coax run from the shack to the remote switch?

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12033. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-21 22:11:31 UTC
From: Bob McGraw K4TAX
Topic: 11224 Message: 12033

Without actually measuring common mode current, one must consider the length of feed line between the antenna feed point and the switch. In general, more feed line will have more common mode current of course depending on position with respect to the radiating antenna, the frequency and such. If all antenna feed points are very close to the top of the tower, less than 1/4 wavelength at the highest frequency, the project is much easier. With the common feed line from the remote switch securely attached to the tower, I actually run mine inside the triangular structure, a common mode choke on the coax line at the switch output would initially seem adequate. Don't forget about the control cable for the switch. That will likely need one too. After all it is in the same proximity as the coax and we want to keep RF out of and away from the station equipment. Then another choke where the coax line enters the station along with another choke on the control cable. Usually the snap-on type beads of #43 material, 3 or 4 at each location, will prove adequate for the control line. I'd opt for a bit more aggressive approach to the coax cable.

Hope this helps with general suggestions.

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Bob, K4TAX

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12034. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-22 04:16:05 UTC
From: w3att_ham@...
Topic: 11224 Message: 12034

Sorry Barry this thread seems to have been hijacked with the grounding issue... Anyway, I will try a master reset.. I may even re-install latest firmware, or go back a version and see if it is still present.

Thanks for the idea.

12035. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-22 04:44:09 UTC
From: Alek Petkovic
Topic: 11224 Message: 12035

Probably ok.

Have you tried it with a dummy load connected directly to the transceiver?

If the problem goes away, you probably have rf current on the shield of your feedline and this is causing the problem in your shack. It could also be RF being picked up by your headphone cord and getting into the audio circuit of the radio.

Ferrite snap on cores are a quick way of isolating where the problem lies.

Good luck.
Alek. VK6APK

On 22/03/2017 12:47 AM, Steven Hammond bcf1689@... [orion565] wrote:
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--
From sunny Binningup
Our new house.
https://17coronation.wordpress.com

Family Businesses:
SP Electrical. www.spelectrical.net.au
The Velvet Fox. www.facebook.com/TheVelvetFox
Smart Design Electrical. 0417 602 032
Perth Interiors. https://www.instagram.com/perthinteriors/

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

12036. Re: [orion565] Re: TX Tick in left headphone..

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-22 08:34:17 UTC
From: Alek Petkovic
Topic: 11224 Message: 12036

Oh. I meant to add, that if it is RF getting back into the system, you would most likely also hear distorted interference in the phones on voice peaks in SSB mode.

Cheers,
Alek.

On 22/03/2017 12:44 PM, Alek Petkovic vk6apk@... [orion565] wrote:
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>> P/S to the same bus. On the other end of the bus I have a strap
>> going to my outside ground (via window passthrough). Is this the
>> proper way to ground the system?
>>
>> Steven Hammond
>> KY5M
>>
>>
>> On 3/21/2017 11:39 AM, RMcGraw@... [orion565] wrote:
>>>
>>> The first thing, if not in place, I suggest one have a dedicated
>>> ground conductor between the radio ground terminal on the rear of
>>> the case and the power supply ground terminal.
>>>
>>>
>>> Second, make sure all station PL259's are very snug, not just finger

>>> tight. I keep a pair of 4" channel locks on the desk for this reason.
>>>
>>> 73
>>> Bob, K4TAX
>>
>
> --
> > From sunny Binningup
> Our new house.
> https://17coronation.wordpress.com
>
>
> Family Businesses:
> SP Electrical.www.spelectrical.net.au
> The Velvet Fox.www.facebook.com/TheVelvetFox
> Smart Design Electrical. 0417 602 032
> Perth Interiors.https://www.instagram.com/perthinteriors/
>
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email
&utm_content=emailclient>
> Virus-free. www.avast.com
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email
&utm_content=emailclient>
>
>
>

--
From sunny Binningup
Our new house.
https://17coronation.wordpress.com

Family Businesses:
SP Electrical. www.spelectrical.net.au
The Velvet Fox. www.facebook.com/TheVelvetFox
Smart Design Electrical. 0417 602 032
Perth Interiors. https://www.instagram.com/perthinteriors/

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

12037. Encoder for Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-27 13:53:27 UTC
From: blauchlin@...
Topic: 12037 Message: 12037

Looking for a sores for a encoder for my Orion the multi function has quit kind of hard to operate with out that one sent a Email to Ten Tec last week have not heard back so i am guessing they don't have them would like to get the radio fixed no one in Canada will touch it ....

12038. Re: [orion565] Encoder for Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-27 14:33:02 UTC
From: Barry N1EU
Topic: 12037 Message: 12038

I believe these work well:

http://www.mouser.com/Search/ProductDetail.aspx?R=PEC11L-4225F-S0015virtualkey65210000virtualkey652-PEC11L4225FS0015

Barry N1EU

On Mon, Mar 27, 2017 at 9:53 AM, blauchlin@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Looking for a sores for a encoder for my Orion the multi function has quit
> kind of hard to operate with out that one sent a Email to Ten Tec last
> week have not heard back so i am guessing they don't have them would like
> to get the radio fixed no one in Canada will touch it ....
>
>
>
>

12039. Re: [orion565] Encoder for Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-27 16:06:02 UTC
From: Bob McGraw K4TAX
Topic: 12037 Message: 12039

My experience is that encoders can be successfully opened, cleaned and re-assembled successfully. Here's three pictures of what's inside. It is basically a "wiper / switch" with segmented steps. A good contact cleaning solution and lint free swab will do the job. Patience is required.

No guarantee if you mess up the project. Then replacement is the only choice.

73

Bob, K4TAX

On 3/27/2017 8:53 AM, blauchlin@... [orion565] wrote:
>
> Looking for a sores for a encoder for my Orion the multi function has
> quit kind of hard to operate with out that one sent a Email to Ten
> Tec last week have not heard back so i am guessing they don't have
> them would like to get the radio fixed no one in Canada will touch it
> ....
>
>
>

[Non-text portions of this message have been removed]

12040. New file uploaded to orion565

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-27 16:11:40 UTC
From: orion565@yahoogroups.com
Topic: 222 Message: 12040

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the orion565
group.

File : /IMG_0928.JPG
Uploaded by : k4tax <RMcGraw@...>
Description : This is what is inside an encoder. They can be removed, opened, clean, and re-assembled successfully, to live another day or year or so.

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/orion565/files/IMG_0928.JPG

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

k4tax <RMcGraw@...>

12041. Re: [orion565] Encoder for Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-27 16:14:34 UTC
From: Bob McGraw K4TAX
Topic: 12037 Message: 12041

The pictures have been posted in the "files" section of the Orion565
Yahoo group.

73

Bob, K4TAX

On 3/27/2017 11:06 AM, Bob McGraw K4TAX RMcGraw@... [orion565]
wrote:
>
> My experience is that encoders can be successfully opened, cleaned and
> re-assembled successfully. Here's three pictures of what's inside. It
> is basically a "wiper / switch" with segmented steps. A good contact
> cleaning solution and lint free swab will do the job. Patience is
> required.
>
> No guarantee if you mess up the project. Then replacement is the only
> choice.
>
> 73
>
> Bob, K4TAX
>
> On 3/27/2017 8:53 AM, blauchlin@... [orion565] wrote:
> >
> > Looking for a sores for a encoder for my Orion the multi function has
> > quit kind of hard to operate with out that one sent a Email to Ten
> > Tec last week have not heard back so i am guessing they don't have
> > them would like to get the radio fixed no one in Canada will touch it
> > ....
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

12042. Re: [orion565] Encoder for Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-27 16:53:41 UTC
From: Barry N1EU
Topic: 12037 Message: 12042

If you try this, I'd also spend the $2 to have a new one on hand, in case the cleaning doesn't work. There's a serious amount of disassembly required to get down to the encoder.

Barry N1EU

On Mon, Mar 27, 2017 at 12:06 PM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> My experience is that encoders can be successfully opened, cleaned and
> re-assembled successfully. Here's three pictures of what's inside. It
> is basically a "wiper / switch" with segmented steps. A good contact
> cleaning solution and lint free swab will do the job. Patience is
> required.
>
> No guarantee if you mess up the project. Then replacement is the only
> choice.
>
> 73
>
> Bob, K4TAX
>
> On 3/27/2017 8:53 AM, blauchlin@... [orion565] wrote:
> >
> > Looking for a sores for a encoder for my Orion the multi function has
> > quit kind of hard to operate with out that one sent a Email to Ten
> > Tec last week have not heard back so i am guessing they don't have
> > them would like to get the radio fixed no one in Canada will touch it
> > .....
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

12043. Master Reset Complete

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-28 15:56:47 UTC
From: ron3cx3000a7@...
Topic: 12043 Message: 12043

I get a Master reset every time I turn on the radio causing me to have to reset colors, filters and etc. I have replaced the battery and also all the caps on A9. After I set the radio up it holds with no apparent problems for as long as 10 hours contesting. I've thought about removing and reinserting other boards. Has anyone found a cure for this?

12044. Re: Master Reset Complete

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-28 16:25:55 UTC
From: ron3cx3000a7@...
Topic: 12043 Message: 12044

My computer stopped, Ron KB7ZR

12045. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-28 16:29:38 UTC
From: ron3cx3000a7@...
Topic: 2569 Message: 12045

All caps replaced on A9 board and still get a Master Reset every time I turn on the radio. Could send it in but much prefer to fix it here myself. Thanks Ron KB7ZR

12046. Re: [orion565] Master Reset Complete

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-28 17:27:52 UTC
From: Bob McGraw K4TAX
Topic: 12043 Message: 12046

Have you replaced the power connector? Both male and female should be replaced. I suggest changing them to PowerPole connectors for increased reliability.

Bob, K4TAX

Sent from my iPhone

> On Mar 28, 2017, at 10:56 AM, ron3cx3000a7@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I get a Master reset every time I turn on the radio causing me to have to reset colors, filters and etc. I have replaced the battery and also all the caps on A9. After I set the radio up it holds with no apparent problems for as long as 10 hours contesting. I've thought about removing and reinserting other boards. Has anyone found a cure for this?
>
>
>
>

12047. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-28 19:25:33 UTC
From: Mike Schatzberg
Topic: 2569 Message: 12047

Have you checked/changed the battery?

73,

Mike
W2AJI

Sent from my iPhone

> On Mar 28, 2017, at 12:29 PM, ron3cx3000a7@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> All caps replaced on A9 board and still get a Master Reset every time I turn on the radio. Could send it in but much prefer to fix it here myself. Thanks Ron KB7ZR
>
>

12048. Re: [orion565] Master Reset Complete

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-28 19:32:23 UTC
From: Jim Warner
Topic: 12043 Message: 12048

I remember buying a 10 flat of batteries from a vendor who pushed them
all onto an anti-static mat. By the time they got here, they were all dead.
Jim WA9Z

On 3/28/2017 10:56 AM, ron3cx3000a7@... [orion565] wrote:
>
>
> I get a Master reset every time I turn on the radio causing me to have
> to reset colors, filters and etc. I have replaced the battery and also
> all the caps on A9. After I set the radio up it holds with no apparent
> problems for as long as 10 hours contesting. I've thought about removing
> and reinserting other boards. Has anyone found a cure for this?
>
>
>

12049. Re: [orion565] Master Reset Complete

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-28 20:45:01 UTC
From: Bob McGraw K4TAX
Topic: 12043 Message: 12049

Yes, I've seen that done as well. The conductive foam used for anti-static devices will drain the batteries. Thus as I've said before: "new guarantees only new.....not necessarily good". Every company in the world has an expected failure rate on any product, item, or device.

73

Bob, K4TAX

On 3/28/2017 2:32 PM, Jim Warner jim@... [orion565] wrote:
>
> I remember buying a 10 flat of batteries from a vendor who pushed them
> all onto an anti-static mat. By the time they got here, they were all
> dead.
> Jim WA9Z
>
> On 3/28/2017 10:56 AM, ron3cx3000a7@... [orion565] wrote:
> >
> >
> > I get a Master reset every time I turn on the radio causing me to have
> > to reset colors, filters and etc. I have replaced the battery and also
> > all the caps on A9. After I set the radio up it holds with no apparent
> > problems for as long as 10 hours contesting. I've thought about removing
> > and reinserting other boards. Has anyone found a cure for this?
> >
> >
> >
>
>

12050. Re: [orion565] Encoder for Orion 1

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-28 21:29:23 UTC
From: Steven Kline
Topic: 12037 Message: 12050

Do you just use your Yahoo login and password to access files section? I'm a subscriber to the group list but looks like you need more credentials to see pics Bob. Is that correct?

Thanks - Steve W5JK

> On Mar 27, 2017, at 11:14 AM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> The pictures have been posted in the "files" section of the Orion565 Yahoo group.
>
> 73
>
> Bob, K4TAX
>
>
> On 3/27/2017 11:06 AM, Bob McGraw K4TAX RMcGraw@... <mailto:RMcGraw@...> [orion565] wrote:
>>
>> My experience is that encoders can be successfully opened, cleaned and
>> re-assembled successfully. Here's three pictures of what's inside. It
>> is basically a "wiper / switch" with segmented steps. A good contact
>> cleaning solution and lint free swab will do the job. Patience is
>> required.
>>
>> No guarantee if you mess up the project. Then replacement is the only
>> choice.
>>
>> 73
>>
>> Bob, K4TAX
>>
>> On 3/27/2017 8:53 AM, blauchlin@... <mailto:blauchlin@shaw.ca> [orion565] wrote:
>> >
>> > Looking for a sores for a encoder for my Orion the multi function has
>> > quit kind of hard to operate with out that one sent a Email to Ten
>> > Tec last week have not heard back so i am guessing they don't have
>> > them would like to get the radio fixed no one in Canada will touch it
>> > ....
>> >
>> >
>> >
>>
>> [Non-text portions of this message have been removed]
>>

>>
>
>
>

12051. Re: [orion565] Master Reset

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-28 22:37:25 UTC
From: Wayne Staples
Topic: 2569 Message: 12051

Hi Ron

I was wondering what battery did you change, if you have an Orion 2 with built in tuner you will have two (2) batteries one in the tuner and one behind the front panel.

The battery behind the front panel is the snaphat time keeper battery that should be changed.

Best 73 Wayne VK4EU

On 29/03/17 02:29, ron3cx3000a7@... [orion565] wrote:
>
>
> All caps replaced on A9 board and still get a Master Reset every time
> I turn on the radio. Could send it in but much prefer to fix it here
> myself. Thanks Ron KB7ZR
>
>

12052. Master Reset Complete

Yahoo group: orion565 (2014 — 2017)
Date: 2017-03-29 03:08:13 UTC
From: Ronald Smith
Topic: 12043 Message: 12052

Thanks so much for all the info and pictures on the Master Reset. Took the radio apart, again, found the battery and ordered a replacement from Digi-Key. Will let the group know how this works when I receive the new battery. Ron KB7ZR

12053. No CW

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-02 05:24:41 UTC
From: g4ssx@...
Topic: 12053 Message: 12053

HI
I can not switch to CW on my Orion 565.With no Key plugged in or Mike in the Menu CW is on,i get DITS with CW in Menu off i get contius tone.
So what is wrong? Any Help pse
Thanks G4SSX Wolf

12054. Re: [orion565] No CW

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-02 10:26:27 UTC
From: Barry N1EU
Topic: 12053 Message: 12054

Previous suggestions to Wolf can be viewed here:
https://groups.yahoo.com/neo/groups/orion565/conversations/topics/11962

Sorry you're still having problems, transmitting dits all the time even
with no key (or headphones) plugged in and internal keyer turned off.

Barry N1EU

On Sun, Apr 2, 2017 at 5:24 AM, g4ssx@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> HI
>
> I can not switch to CW on my Orion 565.With no Key plugged in or Mike in
> the Menu CW is on,i get DITS with CW in Menu off i get contius tone.
>
> So what is wrong? Any Help pse
>
> Thanks G4SSX Wolf
>
>
>

12055. Solar Flare Activity

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-03 02:14:51 UTC
From: Bob McGraw K4TAX
Topic: 12055 Message: 12055

*FYI -
*

NO, your receiver didn't die this weekend.

73

*Bob, K4TAX
*

*
*

THE SUN WAKES UP: Suddenly, solar flare activity is high. Following
months of quiet with negligible flares, new sunspot AR2644 unleashed a
series of M-class explosions on April 1st and 2nd. Each blast produced a
shortwave radio blackout over a different part of our planet. The
powerful explosions also sent beams of radio energy toward Earth,
causing roars of static to issue from the loudspeakers of some shortwave
receivers. Listen to a sample audio file on today's edition of
Spaceweather.com
<http://Spaceweather.us11.list-manage.com/track/click?u=0c5fce34d5ca05f64a13d085d&id=5e317
1946a&e=c85ee18002>,
and stay tuned for more flares on April 3rd as the sunspot shows little
sign of quieting.

12056. Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-05 13:33:39 UTC
From: KY5M
Topic: 12055 Message: 12056

I often enjoy running QRP for fun. But I'd like to use my Orion II rig in QRP contest. However, even when I turn down the rig to 1W, my external meter shows about 5W+ going out. I was wondering if anyone knows of a way or a device I could put inline to attenuate the output of the signal to keep it in the less than 5W range (or even under 1W). I know I could build a QRP kit, but I really like using my Orion II rig. Any suggestions?

Steven Hammond - KY5M

--
Steven Hammond KY5O

12057. Re: [orion565] Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-05 17:01:32 UTC
From: Bob McGraw K4TAX
Topic: 12055 Message: 12057

I suggest one use an external power meter.

Bob, K4TAX

Sent from my iPhone

> On Apr 5, 2017, at 8:33 AM, KY5M bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I often enjoy running QRP for fun. But I'd like to use my Orion II rig
> in QRP contest. However, even when I turn down the rig to 1W, my
> external meter shows about 5W+ going out. I was wondering if anyone
> knows of a way or a device I could put inline to attenuate the output of
> the signal to keep it in the less than 5W range (or even under 1W). I
> know I could build a QRP kit, but I really like using my Orion II rig.
> Any suggestions?
>
> Steven Hammond - KY5M
>
> --
> Steven Hammond KY5O
>

12058. Re: [orion565] Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-05 17:37:13 UTC
From: Steven Hammond
Topic: 12055 Message: 12058

Actually I do use an external power meter. That's how I know the 1watt on the radio is really about five or more watts going out. I was just wondering if there's a way to cut it back so that it's better in the QRP. I may just go with a kit.

Steven Hammond
KY5M

> On Apr 5, 2017, at 12:01 PM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I suggest one use an external power meter.
>
> Bob, K4TAX
>
>
> Sent from my iPhone
>
>> On Apr 5, 2017, at 8:33 AM, KY5M bcf1689@...m [orion565] <orion565@yahoogroups.com> wrote:
>>
>>
>> I often enjoy running QRP for fun. But I'd like to use my Orion II rig
>> in QRP contest. However, even when I turn down the rig to 1W, my
>> external meter shows about 5W+ going out. I was wondering if anyone
>> knows of a way or a device I could put inline to attenuate the output of
>> the signal to keep it in the less than 5W range (or even under 1W). I
>> know I could build a QRP kit, but I really like using my Orion II rig.
>> Any suggestions?
>>
>> Steven Hammond - KY5M
>>
>> --
>> Steven Hammond KY5O
>
>

12059. Re: [orion565] Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-05 20:44:32 UTC
From: Robert
Topic: 12055 Message: 12059

Hi Steven,
you could fit a power attenuator to reduce the actual power out to the required power for transmission. This would either remain in line on receive or be bypassed using a switch or relay.

Regards
Robert M0BJX

From: Steven Hammond bcf1689@... [orion565]
Sent: Wednesday, April 5, 2017 6:37 PM
To: orion565@yahoogroups.com
Subject: Re: [orion565] Orion II and QRP

Actually I do use an external power meter. That's how I know the 1watt on the radio is really about five or more watts going out. I was just wondering if there's a way to cut it back so that it's better in the QRP. I may just go with a kit.

Steven Hammond
KY5M

On Apr 5, 2017, at 12:01 PM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:

I suggest one use an external power meter.

Bob, K4TAX

Sent from my iPhone

On Apr 5, 2017, at 8:33 AM, KY5M bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:

I often enjoy running QRP for fun. But I'd like to use my Orion II rig
in QRP contest. However, even when I turn down the rig to 1W, my
external meter shows about 5W+ going out. I was wondering if anyone
knows of a way or a device I could put inline to attenuate the output of
the signal to keep it in the less than 5W range (or even under 1W). I
know I could build a QRP kit, but I really like using my Orion II rig.
Any suggestions?

Steven Hammond - KY5M

--
Steven Hammond KY5O

12060. Re: [orion565] Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-05 21:19:08 UTC
From: Bob McGraw K4TAX
Topic: 12055 Message: 12060

A 6 dB 50 ohm attenuator would work just fine. You most likely use some attenuation on receive so just put 6dB in the output and reduce the RX attenuation. No other switching required.

Bob, K4TAX

Sent from my iPhone

> On Apr 5, 2017, at 3:44 PM, 'Robert' Robert.Glover@... [orion565] <orion565@yahoogroups.com> wrote:
>
> Hi Steven,
> you could fit a power attenuator to reduce the actual power out to the required power for transmission. This would either remain in line on receive or be bypassed using a switch or relay.
>
> Regards
> Robert M0BJX
>
> From: Steven Hammond bcf1689@... [orion565]
> Sent: Wednesday, April 5, 2017 6:37 PM
> To: orion565@yahoogroups.com
> Subject: Re: [orion565] Orion II and QRP
>
>
> Actually I do use an external power meter. That's how I know the 1watt on the radio is really about five or more watts going out. I was just wondering if there's a way to cut it back so that it's better in the QRP. I may just go with a kit.
>
> Steven Hammond
> KY5M
>
>> On Apr 5, 2017, at 12:01 PM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:
>>
>>
>> I suggest one use an external power meter.
>>
>> Bob, K4TAX
>>
>>
>> Sent from my iPhone
>>
>>> On Apr 5, 2017, at 8:33 AM, KY5M bcf1689@... [orion565] <orion565@yahoogroups.com> wrote:
>>>

>>>
>>> I often enjoy running QRP for fun. But I'd like to use my Orion II rig
>>> in QRP contest. However, even when I turn down the rig to 1W, my
>>> external meter shows about 5W+ going out. I was wondering if anyone
>>> knows of a way or a device I could put inline to attenuate the output of
>>> the signal to keep it in the less than 5W range (or even under 1W). I
>>> know I could build a QRP kit, but I really like using my Orion II rig.
>>> Any suggestions?
>>>
>>> Steven Hammond - KY5M
>>>
>>> --
>>> Steven Hammond KY5O
>>>
>
>

12061. RE: [orion565] Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-05 22:10:47 UTC
From: damichael
Topic: 12055 Message: 12061

I made a 6 dB L pad for my Orion. I used two small 50 ohm dummy loads in parallel (for 25 ohms) in series with the ant and one 50 ohm load in shut to make a simple L pad.
73 Mike W3TS

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: "KY5M bcf1689@gmail.com [orion565]" <orion565@yahoogroups.com>
Date: 04/05/2017 09:33 (GMT-05:00)
To: orion565@yahoogroups.com
Subject: [orion565] Orion II and QRP

I often enjoy running QRP for fun. But I'd like to use my Orion II rig in QRP contest. However, even when I turn down the rig to 1W, my external meter shows about 5W+ going out. I was wondering if anyone knows of a way or a device I could put inline to attenuate the output of the signal to keep it in the less than 5W range (or even under 1W). I know I could build a QRP kit, but I really like using my Orion II rig.
Any suggestions?

Steven Hammond - KY5M

--
Steven Hammond KY5O

Posted by: KY5M <bcf1689@gmail.com>

Yahoo Groups Links

12062. Re: [orion565] Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-05 23:42:10 UTC
From: Bob McGraw K4TAX
Topic: 12055 Message: 12062

Connecting an attenuator on the output of the Orion II, thus between the radio and antenna, will reduce the power accordingly:

From 5 watts:

3 dB = 2.5 watts

6 dB = 1.25 watts

10 dB = 0.5 watts

I view since most use some amount of attenuation on receive, adding this small amount attenuation between the radio and antenna can be off-set by reducing the attenuation on RX. Thus no switching or such is needed.
If you need R values to build said attenuators they can be calculated at the following link:

http://chemandy.com/calculators/matching-pi-attenuator-calculator.htm

Just fill in the blanks for the impedance and the desired loss and press calculate. Best to use carbon resistors for HF work.

73
Bob, K4TAX

On 4/5/2017 8:33 AM, KY5M bcf1689@... [orion565] wrote:
>
> I often enjoy running QRP for fun. But I'd like to use my Orion II rig
> in QRP contest. However, even when I turn down the rig to 1W, my
> external meter shows about 5W+ going out. I was wondering if anyone
> knows of a way or a device I could put inline to attenuate the output of
> the signal to keep it in the less than 5W range (or even under 1W). I
> know I could build a QRP kit, but I really like using my Orion II rig.
> Any suggestions?
>
> Steven Hammond - KY5M
>
> --
> Steven Hammond KY5O
>
>

12063. Re: [orion565] Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-06 03:00:33 UTC
From: Fernando
Topic: 12055 Message: 12063

Hello.

I was wondering if you put a variable negative voltage to the alc
jack would that bring down the power?

Something like a 9V battery and a audio taper pot?

Never tried it myself, just wondering.

Fernando N2FQ/6
n2fq@...

> On Apr 5, 2017, at 10:37 AM, Steven Hammond bcf1689@gmail.com [orion565]
<orion565@yahoogroups.com> wrote:
>
>
>
> Actually I do use an external power meter. That's how I know the 1watt on the radio is
really about five or more watts going out. I was just wondering if there's a way to cut it
back so that it's better in the QRP. I may just go with a kit.
>
> Steven Hammond
> KY5M
>
> On Apr 5, 2017, at 12:01 PM, Bob McGraw K4TAX RMcGraw@... <mailto:RMcGraw@...> [orion565]
<orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
>
>>
>> I suggest one use an external power meter.
>>
>> Bob, K4TAX
>>
>>
>> Sent from my iPhone
>>
>> On Apr 5, 2017, at 8:33 AM, KY5M bcf1689@... <mailto:bcf1689@...> [orion565]
<orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>> wrote:
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>>> I often enjoy running QRP for fun. But I'd like to use my Orion II rig
>>> in QRP contest. However, even when I turn down the rig to 1W, my
>>> external meter shows about 5W+ going out. I was wondering if anyone
>>> knows of a way or a device I could put inline to attenuate the output of
>>> the signal to keep it in the less than 5W range (or even under 1W). I
>>> know I could build a QRP kit, but I really like using my Orion II rig.
>>> Any suggestions?

>>>
>>> Steven Hammond - KY5M
>>>
>>> --
>>> Steven Hammond KY5O
>>>
>>
>
>
>

12064. Re: [orion565] Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-06 03:15:09 UTC
From: Alek Petkovic
Topic: 12055 Message: 12064

Yep. That works fine for the radio's specified power range. I don't know
if it will bring it further down than the radio's natural minimum.

Suck it and see.

73, Alek.
VK6APK

On 6/04/2017 11:00 AM, Fernando n2fq@... [orion565] wrote:
>
> Hello.
>
>
> I was wondering if you put a variable negative voltage to the alc
> jack would that bring down the power?
>
> Something like a 9V battery and a audio taper pot?
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> Never tried it myself, just wondering.
>
> Fernando N2FQ/6
> n2fq@... <mailto:n2fq@...>
>
>
>
>
>> On Apr 5, 2017, at 10:37 AM, Steven Hammond bcf1689@...
>> <mailto:bcf1689@...> [orion565] <orion565@yahoogroups.com
>> <mailto:orion565@yahoogroups.com>> wrote:
>>
>>
>>
>> Actually I do use an external power meter. That's how I know the
>> 1watt on the radio is really about five or more watts going out. I
>> was just wondering if there's a way to cut it back so that it's
>> better in the QRP. I may just go with a kit.
>>
>> Steven Hammond
>> KY5M
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>> On Apr 5, 2017, at 12:01 PM, Bob McGraw K4TAX RMcGraw@...
>> <mailto:RMcGraw@...> [orion565] <orion565@yahoogroups.com
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>>>> Any suggestions?
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>>>> Steven Ha mmond - KY5M
>>>>
>>>> --
>>>> Steven Hammond KY5O
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From sunny Binningup
Our new house.
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Family Businesses:
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This email has been checked for viruses by Avast antivirus software.
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12065. Re: [orion565] Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-06 04:49:41 UTC
From: Martin Sole
Topic: 12055 Message: 12065

Oh that's strange. I never realised that the Orion series had ALC input.
I don't see it in the manual :)

Martin, HS0ZED

On 06/04/2017 06:00, Fernando n2fq@... [orion565] wrote:
>
> Hello.
>
>
> I was wondering if you put a variable negative voltage to the alc
> jack would that bring down the power?
>
> Something like a 9V battery and a audio taper pot?
>
> Never tried it myself, just wondering.
>
> Fernando N2FQ/6
> n2fq@... <mailto:n2fq@...>
>
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>> On Apr 5, 2017, at 10:37 AM, Steven Hammond bcf1689@...
>> <mailto:bcf1689@...> [orion565] <orion565@yahoogroups.com
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>> KY5M
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>> <mailto:orion565@yahoogroups.com>> wrote:
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>>>
>>> Bob, K4TAX

>>>
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>>> Sent from my iPhone
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>>> On Apr 5, 2017, at 8:33 AM, KY5Mbcf1689@...
>>> <mailto:bcf1689@...>[orion565] <orion565@yahoogroups.com
>>> <mailto:orion565@yahoogroups.com>> wrote:
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>>>> Any suggestions?
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>>>> Steven Hammond - KY5M
>>>>
>>>> --
>>>> Steven Hammond KY5O
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>>
>>
>
>

12066. Re: [orion565] Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-06 05:45:51 UTC
From: Alek Petkovic
Topic: 12055 Message: 12066

Works on a Yaesu. :-)

On 6/04/2017 12:49 PM, Martin Sole hs0zed@... [orion565] wrote:
>
> Oh that's strange. I never realised that the Orion series had ALC
> input. I don't see it in the manual :)
>
> Martin, HS0ZED
>
>
>
> On 06/04/2017 06:00, Fernando n2fq@... [orion565] wrote:
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>> Hello.
>>
>>
>> I was wondering if you put a variable negative voltage to the alc
>> jack would that bring down the power?
>>
>> Something like a 9V battery and a audio taper pot?
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>> Never tried it myself, just wondering.
>>
>> Fernando N2FQ/6
>> n2fq@... <mailto:n2fq@...>
>>
>>
>>
>>
>>> On Apr 5, 2017, at 10:37 AM, Steven Hammond bcf1689@...
>>> <mailto:bcf1689@...> [orion565] <orion565@yahoogroups.com
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>>> Actually I do use an external power meter. That's how I know the
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>>> On Apr 5, 2017, at 12:01 PM, Bob McGraw K4TAX RMcGraw@...
>>> <mailto:RMcGraw@...> [orion565] <orion565@yahoogroups.com

>>> <mailto:orion565@yahoogroups.com>> wrote:
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>>>> I suggest one use an external power meter.
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>>>> On Apr 5, 2017, at 8:33 AM, KY5M bcf1689@...
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>>>>> the signal to keep it in the less than 5W range (or even under 1W). I
>>>>> know I could build a QRP kit, but I really like using my Orion II
>>>>> rig.
>>>>> Any suggestions?
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>>>>> Steven Hammond - KY5M
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>>>>> --
>>>>> Steven Hammond KY5O
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>

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From sunny Binningup
Our new house.
https://17coronation.wordpress.com

Family Businesses:
SP Electrical. www.spelectrical.net.au
The Velvet Fox. www.facebook.com/TheVelvetFox
Smart Design Electrical. 0417 602 032
Perth Interiors. https://www.instagram.com/perthinteriors/

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

12067. Re: Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-06 14:58:20 UTC
From: allen3500@...
Topic: 12055 Message: 12067

Fernando wrote:
"I was wondering if you put a variable negative voltage to the alc
jack would that bring down the power?

Something like a 9V battery and a audio taper pot?

Never tried it myself, just wondering."

Fernando N2FQ/6

The problem with this idea is that the Orion doesn't have an ALC input jack.

Cheers!
Jim wb5twc

12068. Re: [orion565] Orion II and QRP

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-06 16:55:30 UTC
From: Fernando
Topic: 12055 Message: 12068

Your correct. It was an idea read from another source.

Fernando N2FQ/6
n2fq@...

> On Apr 6, 2017, at 7:58 AM, allen3500@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Fernando wrote:
> "I was wondering if you put a variable negative voltage to the alc
> jack would that bring down the power?
>
> Something like a 9V battery and a audio taper pot?
>
> Never tried it myself, just wondering."
>
> Fernando N2FQ/6
>
>
> The problem with this idea is that the Orion doesn't have an ALC input jack.
>
> Cheers!
> Jim wb5twc
>
>
>
>

12069. Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-07 20:14:39 UTC
From: gm5bkc@...
Topic: 12069 Message: 12069

I'd like to know what folks use for connecting an Orion to soundcards for digital modes.

Is it easier to use the LINE OUT connector, or the outputs on the AUX I/O jack?

Easier meaning setting things up in the menu system. I'd also like to be able to use headphones for CW.

Thanks - Glenn AE0Q

12070. Re: [orion565] Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-07 20:21:08 UTC
From: Bob McGraw K4TAX
Topic: 12069 Message: 12070

I suggest the SignaLink USB. Purchase the correct cable at the same time. You end up with one cable to the radio and one to the PC. Also you will need a RS-232 to USB converter to handle frequency control from the computer. RT Systems has the best and most reliable cable.

Bob, K4TAX

Sent from my iPhone

> On Apr 7, 2017, at 3:14 PM, gm5bkc@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I'd like to know what folks use for connecting an Orion to soundcards for digital modes.
>
>
>
> Is it easier to use the LINE OUT connector, or the outputs on the AUX I/O jack?
>
>
>
> Easier meaning setting things up in the menu system. I'd also like to be able to use headphones for CW.
>
>
>
> Thanks - Glenn AE0Q
>
>
>
>

12071. Re: [orion565] Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-07 21:03:36 UTC
From: Steven Kline
Topic: 12069 Message: 12071

Hi Glenn,

I have both an Orion and Orion II. First time out of the box I used SignaLink USB (latest version). It worked okay but I abandoned it after a short while and purchased a MicroKeyer II from Microham. Works fantastic on either of the Orion radios. In my case the soundboard inside the microkeyer II was significantly better than what I had in my computer. I thought decode was better with improved sound card.

The SignaLink will be much cheaper than the MicroKeyer-II if economics is an issue. But performance (in my case) was better with MicroKeyer-II.

If you have a little time and patience you might post a note here on the reflector for a used microkeyer-II, they turn-up from time to time and are usually not on list very long. Also, be aware that the Orion interconnect cable to the microkeyer-II is different than the one for the Orion II. Sometimes you'll get lucky when you find a microkeyer-II on this list and it may have the correct cable included, usually for incremental price. If not, you can build or purchase the cable from MicroHam.

Just my two cents.

Steve - W5JK

> On Apr 7, 2017, at 3:14 PM, gm5bkc@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
> I'd like to know what folks use for connecting an Orion to soundcards for digital modes.
>
>
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> Is it easier to use the LINE OUT connector, or the outputs on the AUX I/O jack?
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>
> Easier meaning setting things up in the menu system. I'd also like to be able to use headphones for CW.
>
>
>
> Thanks - Glenn AE0Q
>
>
>
>
>

12072. Re: [orion565] Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-08 02:10:08 UTC
From: GWP
Topic: 12069 Message: 12072

Thanks Bob and Steve. I should have been a bit more specific in my question.

I already have a RigExpert TI-5 interface, but am not sure of how convenient the two different audio connections are for the Orion 1. The TI-5 has inputs for 2 audio channels but of course I don't need to use both. I will NOT be doing any SO2R contesting :-) I got it over some others because it has a Winkey CW interface.

Using the LINE OUT means that the volume controls determine which rcvr goes to that one output.
Using the LEFT and RIGHT pins of the AUX I/O mean one rcvr is dedicated to one output, via the menu setting.

Is there a preference anyone has, like which is easier to mess up accidentally with front panel controls?

They make cables for the Orion but there are 3 versions, based on which outputs you use. My unit came with a Yaesu cable that I'll be rewiring for the Orion 1, so I can route the audio any way that is convenient.

Glenn AE0Q

12073. Re: [orion565] Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-08 02:40:04 UTC
From: Bob McGraw K4TAX
Topic: 12069 Message: 12073

As a suggestion, keep it simple. Use only one receive channel for digital modes. The Aux I/O should be adequate as it provides audio output, PTT and TX audio input.

Since your interface does have 2 audio inputs, then while you are wiring connectors, connect the 2nd receiver audio. The choice of which receiver audio can then be made via the TI-5. And you have a choice in the Orion menu as well.

I think you will find a learning curve to getting both RX and TX audio levels optimized. Someone commented earlier that a different soundcard interface provided a higher success with decode. I found that getting audio levels optimized, being computer level, sound card level i.e. Signalink USB, and radio level is the key to a high degree of decode. If any of those get the least bit over driven the decode success degrades accordingly. To make matters more frustrating, if you use the computer for other reasons, listening to music, ripping CD's and etc. many of those applications will change sound card settings. Then going back to the radio, again a different software, will require one to re-tweak levels. While I find this not a crisis, one must be aware of the "well it worked yesterday, but doesn't work today" syndrome. Just remember, the more parts and pieces, the more variables.

73

Bob, K4TAX

On 4/7/2017 9:10 PM, GWP gm5bkc@... [orion565] wrote:
> Thanks Bob and Steve. I should have been a bit more specific in my
> question.
>
> I already have a RigExpert TI-5 interface, but am not sure of how
> convenient the two different audio connections are for the Orion 1.
> The TI-5 has inputs for 2 audio channels but of course I don't need to
> use both. I will NOT be doing any SO2R contesting :-) I got it over
> some others because it has a Winkey CW interface.
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> Using the LINE OUT means that the volume controls determine which rcvr
> goes to that one output.
> Using the LEFT and RIGHT pins of the AUX I/O mean one rcvr is
> dedicated to one output, via the menu setting.
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> Is there a preference anyone has, like which is easier to mess up
> accidentally with front panel controls?
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> They make cables for the Orion but there are 3 versions, based on

> which outputs you use. My unit came with a Yaesu cable that I'll be
> rewiring for the Orion 1, so I can route the audio any way that is
> convenient.
>
> Glenn AE0Q
>

12074. Re: Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-08 04:39:43 UTC
From: Jim M.
Topic: 12069 Message: 12074

I use a US Navigator USB with my O2. (Now made by Timewave). Receive is great but it doesn't provide enough audio into the Aux input to drive the transmitter. So I had to add an in-line audio amp module to get enough drive. Either the Navigator has insufficient output or the O2 aux input is deaf. When I use the Navigator on other transceivers however, it has no problem driving them fully. So I suspect it is a deficiency of the O2.

Jim N4BE

Sent from my iPad

12075. Re: Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-08 06:09:11 UTC
From: Onno PA1AP
Topic: 12069 Message: 12075

Keep in mind that 566 has a dc voltage on aux audio out pin... You need to add an isolating capacitor to avoid the audio transformer to heat up.

12076. Re: Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-08 07:57:44 UTC
From: Edward A Feustel
Topic: 12069 Message: 12076

Glen,
I use the TenTec audio transformer coupled solution from the Auxiliary Port. The only thing I did not like about it was that not all connections were available so a foot switch was no longer as convenient to run. This means that the grounds on the audio channel are decoupled in both directions.

Works well on my Orion 1 and on my Orion 2.

73,
Ed, N5EI

--

The trouble is, you think you have time . . .

JACK KORNFIELD

12077. Re: [orion565] Re: Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-08 13:30:08 UTC
From: Bob McGraw K4TAX
Topic: 12069 Message: 12077

It would seem that either the Orion Line Gain is too low or the interface is configured to feed a MIC input.

Bob, K4TAX

Sent from my iPhone

> On Apr 7, 2017, at 11:39 PM, 'Jim M.' n4be_jim@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I use a US Navigator USB with my O2. (Now made by Timewave). Receive is great but it doesn't provide enough audio into the Aux input to drive the transmitter. So I had to add an in-line audio amp module to get enough drive. Either the Navigator has insufficient output or the O2 aux input is deaf. When I use the Navigator on other transceivers however, it has no problem driving them fully. So I suspect it is a deficiency of the O2.
>
> Jim N4BE
>
> Sent from my iPad
>

12078. Re: Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-08 14:17:52 UTC
From: Paul K.
Topic: 12069 Message: 12078

I'm a casual digital user.
I simply use the sound card in the PC and run in and out off the Aux cable supplied with the radio. I do have the cable to control the radio in use, but on occasion I use the VOX.
Simple and cheep!
PK WA0BAG
--
Paul K. WA0BAG

12079. Re: [orion565] Re: Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-08 19:40:02 UTC
From: Bob McGraw K4TAX
Topic: 12069 Message: 12079

That works too. I used that method for many years.

Bob, K4TAX

Sent from my iPhone

> On Apr 8, 2017, at 9:17 AM, 'Paul K.' hglent@... [orion565] <orion565@yahoogroups.com> wrote:
>
> I'm a casual digital user.
> I simply use the sound card in the PC and run in and out off the Aux cable supplied with the radio. I do have the cable to control the radio in use, but on occasion I use the VOX.
> Simple and cheep!
> PK WA0BAG
>
> --
> Paul K. WA0BAG
>

12080. Re: Orion on Digital modes?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-09 23:34:00 UTC
From: n5tf@...
Topic: 12069 Message: 12080

Buy Time wave Navigator and custom cable set. I own two. Flawless.

Be sure to set your audio input source selection in the menu when using digital modes.

N5TF

12081. Orion 565 Firmware Upgrade Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-17 06:36:12 UTC
From: kn7az_wa@...
Topic: 12081 Message: 12081

I just purchased an Orion 565 and it needs a firmware upgrade. I downloaded the files but would like to read the details on the procedure before I begin. Searched the WEB but found nothing. Also does one hook the Orion to the computer with a null-modem cable or a regular serial cable? If I remember correctly, the Orion has pins 2 and 3 reversed so a standard cable should be OK. If anyone has a copy of the procedure I would appreciate if they could send it to me.
Tnx and 73, Jason KN7AZ

12082. Re: [orion565] Orion 565 Firmware Upgrade Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-17 14:40:42 UTC
From: Bob McGraw K4TAX
Topic: 12081 Message: 12082

Updating the FLASH FIRMWARE on Ten-Tec Orion

Refer to "74474 Orion565n566 User Manual Addendum V3 Firmware.pdf"
for more details on Version 3 firmware, and the RAM Clear and Master Reset
sequences.

1) Turn Transceiver OFF.
2) Connect a PC to the transceiver using the appropriate cable.
3) Turn the Transceiver ON while holding down the USER2 button.
Wait for display to indicate "Flash Update Mode"
4) Start the Update program
Windows "START"
"All Programs"
"Ten-Tec"
"Orion V3 Update"
"Orion V3 Firmware Update"
5) Choose SETUP under the SETTINGS menu to then select the COM port
to which the Transceiver is attached. And select OK.
6) Choose UPDATE under the PROCESS menu.
7) Select the RUF file under the Process Menu.
8) The program will update the radio and report any errors encountered.
During the update process the Orion screen will indicate the current
line being processed.
9) A RAM Clear and Master Reset MUST be performed when transitioning
between
V1/V2/V3 firmware.

73

Bob, K4TAX

On 4/17/2017 1:36 AM, kn7az_wa@... [orion565] wrote:
>
> I just purchased an Orion 565 and it needs a firmware upgrade. I
> downloaded the files but would like to read the details on the
> procedure before I begin. Searched the WEB but found nothing. Also
> does one hook the Orion to the computer with a null-modem cable or a
> regular serial cable? If I remember correctly, the Orion has pins 2
> and 3 reversed so a standard cable should be OK. If anyone has a copy
> of the procedure I would appreciate if they could send it to me.
>
> Tnx and 73, Jason KN7AZ
>
>

12083. Re: [orion565] Orion 565 Firmware Upgrade Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-17 19:48:39 UTC
From: KN7AZ
Topic: 12081 Message: 12083

Hi Bob,
Thanks for your reply to my request for the update information.
I have one additional question:
>>Connect a PC to the transceiver using the appropriate cable<<
Would that cable be a straight 9-pin serial cable or a null-modem cable?
Tnx and 73,
Jason KN7AZ

---- On Mon, 17 Apr 2017 07:40:42 -0700 Bob McGraw K4TAX RMcGraw@...
[orion565]<orion565@yahoogroups.com> wrote ----

Updating the FLASH FIRMWARE on Ten-Tec Orion

Refer to "74474 Orion565n566 User Manual Addendum V3 Firmware.pdf"
for more details on Version 3 firmware, and the RAM Clear and Master Reset
sequences.

1) Turn Transceiver OFF.
2) Connect a PC to the transceiver using the appropriate cable.
3) Turn the Transceiver ON while holding down the USER2 button.
Wait for display to indicate "Flash Update Mode"
4) Start the Update program
Windows "START"
"All Programs"
"Ten-Tec"
"Orion V3 Update"
"Orion V3 Firmware Update"
5) Choose SETUP under the SETTINGS menu to then select the COM port
to which the Transceiver is attached. And select OK.
6) Choose UPDATE under the PROCESS menu.
7) Select the RUF file under the Process Menu.
8) The program will update the radio and report any errors encountered.
During the update process the Orion screen will indicate the current
line being processed.
9) A RAM Clear and Master Reset MUST be performed when transitioning between
V1/V2/V3 firmware.

73
Bob, K4TAX

On 4/17/2017 1:36 AM, kn7az_wa@... [orion565] wrote:

I just purchased an Orion 565 and it needs a firmware upgrade. I downloaded the files but would like to read the details on the procedure before I begin. Searched the WEB but found nothing. Also does one hook the Orion to the computer with a null-modem cable or a regular serial cable? If I remember correctly, the Orion has pins 2 and 3 reversed so a standard cable should be OK. If anyone has a copy of the procedure I would appreciate if they could

send it to me.
Tnx and 73, Jason KN7AZ

12084. Re: [orion565] Orion 565 Firmware Upgrade Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-17 23:34:56 UTC
From: Barry N1EU
Topic: 12081 Message: 12084

straight through

On Mon, Apr 17, 2017 at 7:48 PM, KN7AZ kn7az_wa@... [orion565] <
orion565@yahoogroups.com> wrote:

>
>
> Hi Bob,
> Thanks for your reply to my request for the update information.
> I have one additional question:
> >>Connect a PC to the transceiver using the appropriate cable<<
> Would that cable be a straight 9-pin serial cable or a null-modem cable?
> Tnx and 73,
> Jason KN7AZ
>
> ---- On Mon, 17 Apr 2017 07:40:42 -0700 *Bob McGraw K4TAX
> RMcGraw@... [orion565]<orion565@yahoogroups.com
> <orion565@yahoogroups.com>>* wrote ----
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>
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> Bob, K4TAX
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> On 4/17/2017 1:36 AM, kn7az_wa@... [orion565] wrote:
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> appreciate if they could send it to me.
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> Tnx and 73, Jason KN7AZ
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12085. Re: [orion565] Orion 565 Firmware Upgrade Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-17 23:48:57 UTC
From: Bob McGraw K4TAX
Topic: 12081 Message: 12085

Correct cable is a standard RS-232 cable, being a DB9 to DB9. Or if your computer does not have a RS-232 port, then you will need a RS-232 to USB Converter. The ones from R T Systems have proven to be reliable. Others may or may not work.

If you have been controlling the radio from and by the computer then likely you have a good working set-up with the correct drivers installed on the computer.

73

Bob, K4TAX

On 4/17/2017 2:48 PM, KN7AZ kn7az_wa@... [orion565] wrote:
> Hi Bob,
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> line being processed.
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> On 4/17/2017 1:36 AM, kn7az_wa@... <mailto:kn7az_wa@...>
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12087. Re: Re: [orion565] Orion 565 Firmware Upgrade Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-18 19:23:21 UTC
From: KN7AZ
Topic: 12081 Message: 12087

Thanks Bob, I keep and old XP computer with an RS-232 output just for situations such as this.
I also have a Sewell USB to Serial Converter that was in the system, but I think it has failed. I'll get the one of the RT Systems converters and if that works out, maybe I'll get rid of the old XP machine.
We were out of town all day yesterday, but I should have some time today to get this done.
73,
Jason KN7AZ

---- On Mon, 17 Apr 2017 16:48:57 -0700 Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote ----

Correct cable is a standard RS-232 cable, being a DB9 to DB9. Or if your computer does not have a RS-232 port, then you will need a RS-232 to USB Converter. The ones from R T Systems have proven to be reliable. Others may or may not work.

If you have been controlling the radio from and by the computer then likely you have a good working set-up with the correct drivers installed on the computer.

73
Bob, K4TAX

On 4/17/2017 2:48 PM, KN7AZ kn7az_wa@... [orion565] wrote:

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Tnx and 73,
Jason KN7AZ

---- On Mon, 17 Apr 2017 07:40:42 -0700 Bob McGraw K4TAX RMcGraw@Blomand.net [orion565]<orion565@yahoogroups.com> wrote ----

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On 4/17/2017 1:36 AM, kn7az_wa@... [orion565] wrote:

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Tnx and 73, Jason KN7AZ

12088. Orion 1 Synthesizer problem?

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-18 19:23:28 UTC
From: tuxracer111@...
Topic: 12088 Message: 12088

Hello all,
i am new to the group and have a little problem with my Orion 1 when he is cold.
The dialed frequency of VFOA jumps within a range of 400khz, sometimes the VFO A freezes and also TX-frequency jumps within that range.
After a while when the TRX warms up, the problem is gone. My suggestion is that the synthesizer is misaligned due to aging. It seems that he do not lock the frequency properly.

Any idea where to start troubleshooting?

73
Michael
DL5OCD

12089. Re: Re: [orion565] Orion 565 Firmware Upgrade Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-18 20:56:09 UTC
From: Wes Attaway
Topic: 12081 Message: 12089

You can get RS232 pci plug - in cards. Why do u need XP?
---------- Wes Attaway (N5WA) (318) 393-3289 - Shreveport, LA Computer/Cellphone Forensics AttawayForensics.com
-------- Original message --------
From: "KN7AZ kn7az_wa@zoho.com [orion565]"
Date:04/18/2017 2:23 PM (GMT-06:00)
To: orion565@yahoogroups.com
Subject: Re: Re: [orion565] Orion 565 Firmware Upgrade Procedure

Thanks Bob, I keep and old XP computer with an RS-232 output just for situations such as this. I also have a Sewell USB to Serial Converter that was in the system, but I think it has failed. I'll get the one of the RT Systems converters and if that works out, maybe I'll get rid of the old XP machine. We were out of town all day yesterday, but I should have some time today to get this done. 73, Jason KN7AZ ---- On Mon, 17 Apr 2017 16:48:57 -0700 Bob McGraw K4TAX RMcGraw@Blomand.net [orion565] wrote ---- Correct cable is a standard RS-232 cable, being a DB9 to DB9. Or if your computer does not have a RS-232 port, then you will need a RS-232 to USB Converter. The ones from R T Systems have proven to be reliable. Others may or may not work. If you have been controlling the radio from and by the computer then likely you have a good working set-up with the correct drivers installed on the computer. 73 Bob, K4TAX On 4/17/2017 2:48 PM, KN7AZ kn7az_wa@zoho.com [orion565] wrote: Hi Bob, Thanks for your reply to my request for the update inf! ormation.. I have one additional question: >>Connect a PC to the transceiver using the appropriate cable<< Would that cable be a straight 9-pin serial cable or a null-modem cable? Tnx and 73, Jason KN7AZ ---- On Mon, 17 Apr 2017 07:40:42 -0700 Bob McGraw K4TAX RMcGraw@Blomand.net [orion565] wrote ---- Updating the FLASH FIRMWARE on Ten-Tec Orion Refer to "74474 Orion565n566 User Manual Addendum V3 Firmware.pdf" for more details on Version 3 firmware, and the RAM Clear and Master Reset sequences. 1) Turn Transceiver OFF. 2) Connect a PC to the transceiver using t! he appropriate cable. 3) Turn the Transceiver ON while holding down the USER2 button. Wait for display to indicate "Flash Update Mode" 4) Start the Update program Windows "START" "All Programs" "Ten-Tec" "Orion V3 Update" "Orion V3 Firmware Update" 5) Choose SETUP under the SETTINGS menu to then select the COM port to which the Transceiver is attached. And select OK. 6) Choose UPDATE under the PROCESS menu. 7) Select the RUF file under the Process Menu. 8) The program will update the radio and report any errors encountered. During the update process the Orion screen will indicate the current line being processed. 9) A RAM Clear and Master Reset MUST be performed when transitioning between V1/V2/V3 firmware. 73 Bob, K4TAX On 4/17/2017 1:36 AM, kn7az_wa@zoho.com [orio! n565] wrote: I just purchased an Orion 565 and it needs a firmware upgrade. I downloaded the files but would like to read the details on the procedure before I begin. Searched the WEB but found nothing. Also does one hook the Orion to the computer with a null-modem cable or a regular serial cable? If I remember correctly, the Orion has pins 2 and 3 reversed so a standard cable should be OK. If anyone has a copy of the procedure I would appreciate if they could send it to me. Tnx and 73, Jason KN7AZ

12091. Re: Re: [orion565] Orion 565 Firmware Upgrade Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-18 21:36:16 UTC
From: KN7AZ
Topic: 12081 Message: 12091

I have a PCIe RS-232 card in the KN7AZ tower PC. I use the XP laptop just for convenience. Also, XP still has HyperTerminal that is necessary to communicate with my Alpha 87A. I am going to sell the 87A and after that I probably won't need the XP laptop. I just ordered an RT Systems USB to RS-232 converter and if that works as well as Bob (K4TAX) claims, that would also be a good reason to can the XP machine. I also understand that there are some HyperTerminal clones that work fine and will run on newer computers. All said, I think that the XP Laptop's days are numbered.
Tnx and 73,
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---- On Tue, 18 Apr 2017 13:56:09 -0700 Wes Attaway wesattaway@bellsouth.net [orion565]<orion565@yahoogroups.com> wrote ----

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Wes Attaway (N5WA)
(318) 393-3289 - Shreveport, LA
Computer/Cellphone Forensics
AttawayForensics.com

-------- Original message --------
From: "KN7AZ kn7az_wa@... [orion565]"
Date:04/18/2017 2:23 PM (GMT-06:00)
To: orion565@yahoogroups.com
Subject: Re: Re: [orion565] Orion 565 Firmware Upgrade Procedure

Thanks Bob, I keep and old XP computer with an RS-232 output just for situations such as this.
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Bob, K4TAX

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Tnx and 73, Jason KN7AZ

12092. Re: Re: [orion565] Orion 565 Firmware Upgrade Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-18 20:55:09 UTC
From: KN7AZ
Topic: 12081 Message: 12092

Thanks
Jason KN7AZ

---- On Mon, 17 Apr 2017 16:34:56 -0700 Barry N1EU barry.n1eu@... [orion565] <orion565@yahoogroups.com> wrote ----

straight through

On Mon, Apr 17, 2017 at 7:48 PM, KN7AZ kn7az_wa@zoho.com [orion565] <orion565@yahoogroups.com> wrote:

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12093. Re: [orion565] Orion 565 Firmware Upgrade Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-19 02:40:27 UTC
From: Bob McGraw K4TAX
Topic: 12081 Message: 12093

My XP machine has been sitting in the storage room for some 2 or 3 years now. This laptop runs Windows 10, 64 bit, quite well. It has 3 USB ports and no provision for a PCI card. Thus I use a RS-232 to USB converter from R T Systems.

The biggest issue I have with Windows 10 is the sometimes driver signing requirement. There is a way to get around this, which I've done many times to load drivers for a specific application and configuration. Case and point, to access and program the controller for my repeater. And to update my Tentec radios, all which are "up to snuff" on firmware versions.

Also, the HDSDR software for the SDR Play receiver and the control of the Elecraft K3S all fall into place quite nicely.

73

Bob, K4TAX

On 4/18/2017 4:36 PM, KN7AZ kn7az_wa@... [orion565] wrote:
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> ---------------------------------------
> Wes Attaway (N5WA)
> (318) 393-3289 - Shreveport, LA
> Computer/Cellphone Forensics
> AttawayForensics.com
>
>
> -------- Original message --------

> From: "KN7AZ kn7az_wa@... <mailto:kn7az_wa@...> [orion565]"
> Date:04/18/2017 2:23 PM (GMT-06:00)
> To: orion565@yahoogroups.com <mailto:orion565@yahoogroups.com>
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>
> On 4/17/2017 1:36 AM, kn7az_wa@...
> <mailto:kn7az_wa@...> [orio! n565] wrote:
>
> I just purchased an Orion 565 and it needs a
> firmware upgrade. I downloaded the files but
> would like to read the details on the procedure

> before I begin. Searched the WEB but found
> nothing. Also does one hook the Orion to the
> computer with a null-modem cable or a regular
> serial cable? If I remember correctly, the Orion
> has pins 2 and 3 reversed so a standard cable
> should be OK. If anyone has a copy of the
> procedure I would appreciate if they could send it
> to me.
>
> Tnx and 73, Jason KN7AZ
>
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>
>

12096. Orion 565 Ram Clear and Master Reset Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-21 07:36:23 UTC
From: KN7AZ
Topic: 12081 Message: 12096

RAM Clear:
It is best to perform this procedure when you can dedicate time to follow the steps to completion. If this is not possible, then simply start over at Step 1.

During this process, you will see a “BATTERY FAILURE” message at the top of the radio’s display. Ignore this message.
1. Power OFF the Orion.
2. While holding down the VFO B LCK button, turn on the Orion.
3. Release the VFO B LCK button when the “Master Reset Complete” appears on the display.
4. The message “RX366 Installed?” will appear in a few seconds.
5. Select the appropriate response:
5a. If you have an RX366 installed, then press the AN button to answer “YES”.
5b. If it is not installed, then press the RECALL button to answer “NO”.
6. If you selected “YES” with the RX366 installed, the startup screen will show “RX366 Receiver installed” below the firmware versions.
7. Wait for the Orion to finish starting up. The transceiver display should show 14.250 as the Main frequency.
8. Once the Orion is back to normal operation, immediately perform a MASTER RESET.

MASTER RESET:
It is best to perform this procedure when you can dedicate time to follow the steps to completion. If this process times out, then re-start the entire RAM Clear / Master Reset process.

1. Power OFF the Orion.
2. While continuing to hold down the MAIN RX/TX button, turn on the Orion.
3. When the message “Master Reset Complete” appears at the bottom of the display, release the MAIN RX/TX button.
4. The message “Clear User Memories?” will appear in a few seconds.
5. Select “YES” by pressing the AN button.
6. The message “Reset Optional Filters?” will appear in a few seconds.
7. Select YES by pressing the AN button. This will require re-centering of the 500 and 250Hz filters.
See below or page 36 of the 2005 manual for this procedure.
8. The message “RX366 Installed?” will appear in a few seconds.
9. Select the appropriate response.
9a. If you have an RX366 installed, then press the AN button to answer “YES”.
9b. If you DO NOT have it installed, then press the RECALL button to answer “NO”.
10. If you selected “YES” with the RX366 installed, the startup screen will show “RX366 Receiver installed” below the firmware versions.
11. Wait for the Orion to finish starting up. The transceiver display should show 14.250 as the Main frequency.
12. Verify that your radio is ready to use by power cycling the radio. Wait a few seconds between power off and power on.

500 and 250Hz FILTER CENTERING:

1. Set your CW offset to desired value via the CW MENU.
2. Tune in a carrier of reasonable strength (S7 or better), at your CW offset.
3. Select the filter you want to center using the Xtal Filter control in the menu.
4. Choose either the 500 Hz C.F. Adj or 250 Hz C.F. Adj depending on your filter selection.
5. For each filter, use the MULTI knob to achieve a received signal peak.
6. You will not have to re-adjust these unless you do a subsequent Master Reset of the radio.

.

12099. Re: [orion565] Clearing My Shack... Rigs for sale.....n7ybq.bp@gmail.com

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-26 13:00:32 UTC
From: Barry N1EU
Topic: 12097 Message: 12099

Good catch Bob. If you google the poster's email address larry_rj73@yahoo.com , it's clear that this a fraudulent post. Whoever this group's admin is, you should cancel posting privileges for larry_rj73@... if you haven't done so already.

Barry N1EU

On Wed, Apr 26, 2017 at 8:43 AM, Bob McGraw K4TAX RMcGraw@... [orion565] <orion565@yahoogroups.com> wrote:

>
>
> Something is strange about this listing. License shows to be a
> Technician and QRZ.COM show the station to be in Oregon per the data and
> map.
>
> The call, N7YBQ does come up as Brenda Phillips in AL. But the data shows
> otherwise.
>
> 73
>
> Bob, K4TAX
>
> On 4/26/2017 4:06 AM, larry_rj73@... [orion565] wrote:
>
>
>
>
> Anan 200D: $2600, ANAN-100D SDR: $1,250
> Yaesu FTDX 5000MP: $2,400, Yaesu FTDX-3000: $1,500
> Flex 5000A: $1,600, Flex 6500: $2,500,
> Flex 6300:$1,800
> Icom PW1: $1,800 , Icom 7600: $1,600
> Icom 7800: $3,200
> Alpha 9500 $4,000 , Alpha 8410 with 4CX1000A tubes: $2,600
> ACOM 2000A: $3,500 ,Acom 1000 Amp : $1,600
> Elecraft k3: $1800, Elecraft KX3: $1500
> Ameritron AL-1500: $1700 ,Ameritron AL-82: $1,300
> Commander 2500: $1,400
> Ten-Tec Orion II
> Kenwood TS-2000LE,Kenwodd TS-950SDX,Kenwood TS 990
> SteppIR 4 Element
>
> I accept USPS MO and Check.
>

> Brenda Phillips
> Greenville Al.
> Email: n7ybq.bp@...
> Phone: 334 384 6810 <(334)%20384-6810>
>
> 73
>
>
>
>
>

12100. Re: [orion565] Clearing My Shack... Rigs for sale.....n7ybq.bp@gmail.com

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-26 13:50:55 UTC
From: cherokeehillfarm@...
Topic: 12097 Message: 12100

I can say that I am surprised you do not know who manages this group.

73,

Mike
W2AJI
Owner Orion 565/566 Reflector

12102. Re: [orion565] Clearing My Shack... Rigs for sale.....n7ybq.bp@gmail.com

Yahoo group: orion565 (2014 — 2017)
Date: 2017-04-26 14:01:13 UTC
From: Mike Schatzberg
Topic: 12097 Message: 12102

Please do not keep reposting this bogus email.

Mike
W2AJI
> On Apr 26, 2017, at 9:16 AM, 'Paul Booth' wa6ibu@... [orion565] <orion565@yahoogroups.com> wrote:
>
>
>
> Okay I seriously question this posting, no offense. But if the call is Brenda as n7ybq, she has a Technician Class license, and likely not to have this equipment in the first place, much less any ham. There is no email listed for n7ybq in qrz to verify either. And the telephone number while from Alabama, is not in Greenville. Usually I would expect more detail posted for each item like conditions and options too.
>
> Paul, W6IBU
>

12103. New MF and LF Bands are Not Yet Available to Use

Yahoo group: orion565 (2014 — 2017)
Date: 2017-05-05 16:12:43 UTC
From: Bob McGraw K4TAX
Topic: 12103 Message: 12103

F Y I --
73
Bob, K4TAX

****
SB QST ARL ARLB013
ARLB013 Important Notice - New MF and LF Bands are Not Yet Available
to Use!

The new 630-meter and 2200-meter bands are not yet available for
Amateur Radio use. The effective date of the recent FCC Report and
Order (R&O) granting these allocations has not yet been determined,
and until the start date has been set, it is not legal under an
Amateur Radio license to transmit on either band.

The R&O can be found on the web in PDF format at,
https://apps.fcc.gov/edocs_public/attachmatch/FCC-17-33A1.pdf .

The fact that the new rules contain a new information-collection
requirement - notification of operation to the United Telecoms
Council (UTC) - complicates the matter of determining an effective
date. According to the FCC R&O, the Office of Management and Budget
(under the Paperwork Reduction Act) must first approve the
information-collection requirements in Part 97.303(g)(2), which must
be in place before radio amateurs can use the new bands.

Once that happens, the FCC will publish a notice in The Federal
Register "announcing such approval and the relevant effective date."

ARRL will announce the UTC notification procedures and the effective
date to use these new bands as soon as these are known.
NNNN
/EX
****

12104. Paragon 2 Alignment Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-05-09 13:23:30 UTC
From: Wayne Bethoney
Topic: 12104 Message: 12104

I know this maybe off topic but does anyone know where I can find the alignment procedures for a Paragon 2? I have the Paragon 2 manual and it does not have the procedure listed. I tried Ten Tec and they do not have it. I do have the procedure for the Paragon but they are different. Any help welcome.

Thanks Wayne/WC1C

12105. Re: [orion565] Paragon 2 Alignment Procedure

Yahoo group: orion565 (2014 — 2017)
Date: 2017-05-09 13:48:57 UTC
From: Jim Warner
Topic: 12104 Message: 12105

The only thing I'm aware of that's electrically different(aside from firmware and control panel) is the 586 can transmit AM. Other than adjusting carrier insertion for AM(on the fm/am board) the rest is all 585 procedure.Jim WA9Z

On 5/9/2017 8:23 AM, Wayne Bethoney wbethoney@... [orion565] wrote:
>
>
> I know this maybe off topic but does anyone know where I can find the
> alignment procedures for a Paragon 2? I have the Paragon 2 manual and it
> does not have the procedure listed. I tried Ten Tec and they do not
> have it. I do have the procedure for the Paragon but they are different.
> Any help welcome.
>
>
>
> Thanks Wayne/WC1C
>
>